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WATER RESOURCES OF COLORADO


Appendix No. 2

DATA ON STREAM GAGING STATIONS
OF
COLORADO

Volume I

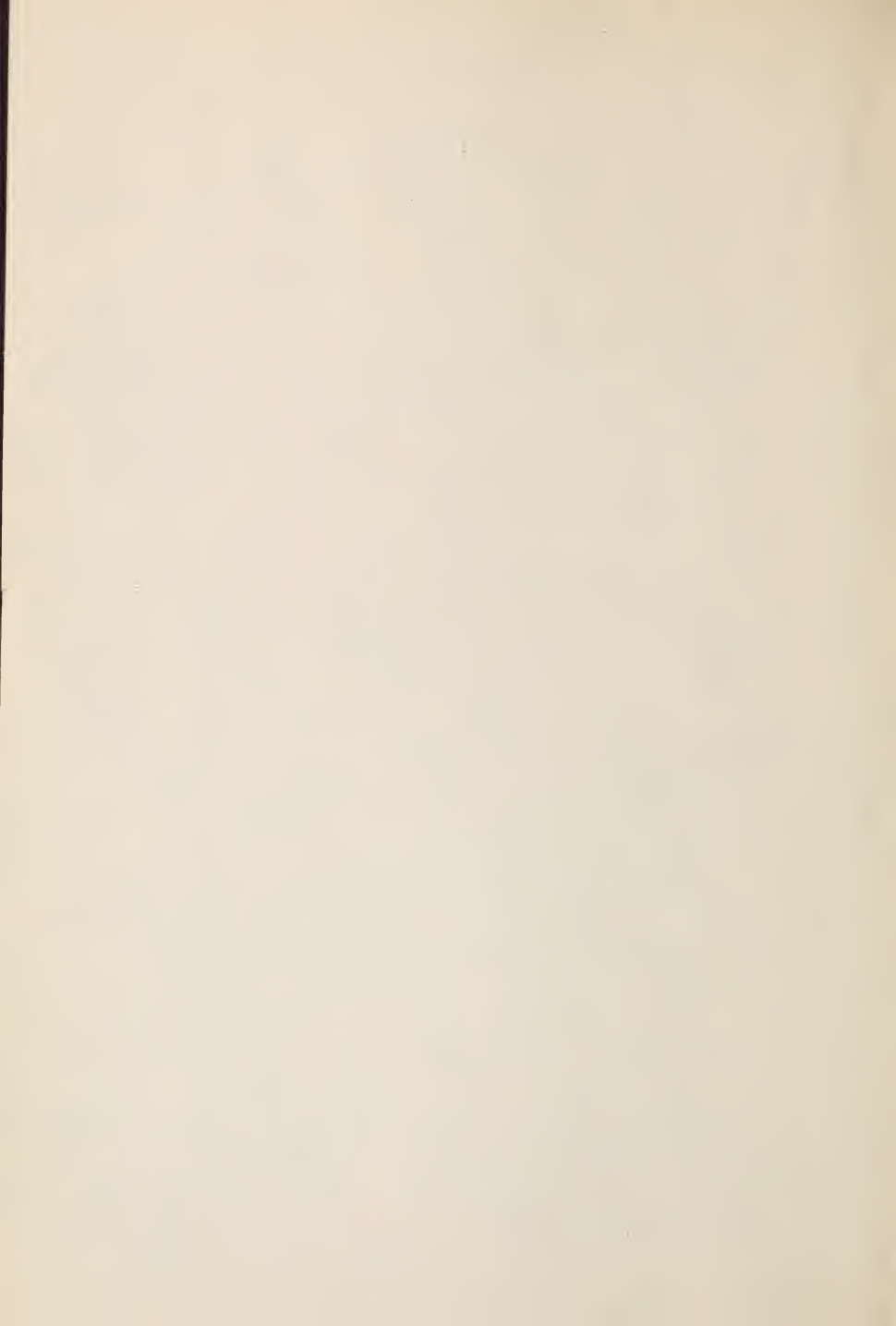
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Colorado State Planning Commission
Water Conservation Board
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Water Resources of Colorado
Appendix No. 2

DATA ON STREAM GAGING STATIONS
OF
COLORADO

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Volume I

Denver, Colorado
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Prepared and Published by The Colorado State
Planning Commission, Water Conservation Board
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Project Number 665-84-3-42, conducted under the
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THE HISTORY OF THE UNITED STATES

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MEMORANDUM FOR THE RECORD

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PREFACE AND ACKNOWLEDGMENT

The Water Resources Survey, first sponsored in February, 1936 by the State Planning Commission and later jointly by the Commission and the Colorado Water Conservation Board, has compiled basic data which are being used to prepare a master report on the water resources of Colorado.

The work has been carried on with the aid of a Works Progress Administration Project under the direction of competent engineers and the general supervision of the Planning Commission, the Water Conservation Board and the State Engineer.

Basic data, too voluminous to be included in the master report, are published in the form of appendices as follows:

- Appendix No. 1 - Climatological Data of Colorado
- Appendix No. 2 - Data on Stream Gaging Stations of Colorado
- Appendix No. 3 - Stream Flow Data of Colorado.
- Appendix No. 4 - Canal Diversion Data of Colorado.
- Appendix No. 5 - Statistics of Irrigated Crops.

This appendix consists of data on stream gaging stations of Colorado which have been taken from the records of the Colorado State Engineer, the U. S. Geological Survey and the Denver Board of Water Commissioners.

Special acknowledgment is made to the staffs of the United States Geological Survey at Denver and of the Denver Board of Water Commissioners for their hearty co-operation in the work of compiling this information.

Colorado State Planning Commission

Water Conservation Board

State Engineer

HISTORICAL STATEMENT

By M. C. Minderlidor - State Engineer.

The first steps taken in Colorado to obtain definite information concerning its natural water supplies were initiated in 1881 by an act of the Legislature creating the office of State Hydraulic or State Engineer. By this act the State Engineer was given general supervisory control over the public water supplies of the state, and was charged with the duty of making measurements of the flow of the public streams of the state and the collection of necessary data on stream flow and the useful purposes to which the waters from these streams may be placed, and with collecting all data and information regarding snowfall for the purpose of predicting probable run-off.

Pursuant to these requirements the first stream gaging station was established on the Cache la Poudre river about twelve miles west of Fort Collins on June 20, 1881. The second station was established on the Big Thompson in August of the same year. In 1883 E. S. Mettleton, then State Engineer, re-established the above stations and extended the work of stream gaging to the St. Vrain and other tributaries of the South Platte.

The next gaging station established was on the Arkansas at Pueblo in 1885. Due to shifting channel conditions this station was moved to a point nine miles above Pueblo, and later to Canon City, at which point a station has been maintained continuously to the present time, making the record of stream flow at that point the second longest in the state.

During this time State Engineer Mettleton developed the first practical current meter to meet the conditions of stream flow in the state. This was known as the Colorado meter, and was quite similar in principle to the modern current meter. He also devised and installed at the Poudre River station in 1884 what was probably the first automatic river-stage recording instrument ever

used in the United States, and it is believed that this record is the oldest continuous record in the United States. The recorder for a time was connected by a 12-mile wire with a recording instrument in the office of Prof. L. C. Carpenter in Fort Collins, and this also constituted the first attempt at long distance recording. The methods devised by Mr. Hettleton for obtaining the discharge of a stream are essentially the same as those now in general use.

In 1888 the U.S. Geological Survey, by order of Major Powell, established a camp on the Rio Grande near Embudo, New Mexico, for the instruction of a number of employees in the principles of hydrographic investigations. This work was under the supervision of F.H. Newell, who later became chief hydrographer of the Geological Survey, and then chief engineer and director of the U.S. Reclamation Service.

After much study and experimentation, the methods of stream gaging which had been developed by State Engineer Hettleton were adopted and put into practice by the hydrographic division of the Geological Survey. In 1869 Mr. Newell established the first gaging station on the Rio Grande near Del Norte, which station has been maintained since that date, making the record of stream flow at that station the third oldest in the state.

From 1861 to 1902 the meagre appropriations provided by the legislatures of Colorado for stream gaging work permitted but a nominal expansion of this work to additional streams in the state, by no means in keeping with the needs of administration and the collection of data on the water supplies thereof.

Following the passage of an Act by Congress authorizing an irrigation and hydrographic survey throughout the arid states, Congress made an appropriation in 1889 of \$250,000 for such purposes. The possibilities of extending irrigation development in Colorado, where the state had already inaugurated a system of hydrographic investigations, offered an opportunity for co-operation

between the Geological Survey and the state, as a result of which this work was enlarged. Lack of state appropriations, however, resulted in turning over practically all stream gaging work to the Geological Survey. Following the passage of the Reclamation Act in 1903, practically all stream gaging work in the state was financed and carried on by the Reclamation Service, which was a branch of the Geological Survey. Much of this work was done in connection with its investigations of possible reclamation projects.

Reductions in appropriations by Congress in 1906 for the hydrographic work made it necessary for the state to take over a large part of the work formerly conducted by the Geological Survey. Increase in appropriations by the legislature from time to time enabled the State Engineer to expand the work throughout the state, until more than one hundred stream gaging stations were being maintained, but did not permit proper maintenance and needed expansion.

In 1933 the State Engineer entered into a co-operative agreement with the Geological Survey by which all state appropriations for hydrographic work were substantially matched with federal funds, since which date the co-operation has remained in effect. This co-operation has permitted a great expansion of the work throughout the state until at the present time more than two hundred gaging stations are in operation, practically all of which are supplied with up-to-date automatic recorders and the standard equipment in use by the Geological Survey throughout the United States.

The work is gradually being extended as funds are made available for such purposes. At the present time about \$60,000 of state and federal funds is being expended each year on hydrographic investigations in Colorado.

In this connection co-operation is also received from the Bureau of Reclamation, the Corps of Engineers, Bureau of Agricultural Engineering,

Weather Bureau and Forest Service, and the following Municipalities, corporations and local agencies: City and County of Denver, Loveland, Grand Junction, Arkansas Valley Ditch association, Rio Grande Water Users association, Uncompahgre Valley Water Users association, Del Norte, Terrace, and Trinchera Irrigation districts, Costilla Estates Development company, Public Service Company of Colorado, and Western Colorado Power company. In addition, the State Engineer's office co-operates with the States of Nebraska, Kansas, and New Mexico in obtaining stream flow data on certain interstate streams.

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Map, Colorado Stream Gaging Stations.

Showing Group I Station locations with
data on length of record and average annual
flow.

Back Cover

Index Map, Stream Gaging Stations of Colorado.

Showing locations of all stations (Groups I and II) Back Cover

EXPLANATION OF D.T.
PART 1

This section of the basic data gives some pertinent information regarding the more important stream-flow gaging stations in the state. Stations in operation in 1935, regardless of length of record, and discontinued stations which had a record of ten years or more in 1935 were included. Since much of the data was prepared before the 1936 records were available, no attempt was made to include 1936 figures in the results, but for future convenience provision was made to number new stations established in 1936 so that their numbers would be in proper order according to the location of the stations on the stream. These stations are shown in the index and on the index maps, though not on the table or on the graphs.

The tables are arranged by river basins as listed in the Index, beginning with the North Platte River basin, and proceeding in clockwise rotation around the state to the Green River basin in the northwestern corner of the state.

The stations numbers (column 1 of the tables) show the river basins by initials and a serial number, the first digit or digits of which indicate the relative position of the station on the stream, and the last two digits the date of the last year of available record. The serial numbers were selected by beginning with number 1 at the highest station on the main stream, and numbering successively all stations on the main stream to the state line. Following these, the tributary stations were numbered successively downstream

beginning with the tributary highest on the main stream. Each tributary, from source to mouth, was treated the same as in the case of the main stream, and tributaries of tributaries in a similar manner, all stations on one tributary being numbered before going on to the next one. Thus, NP 1-35 indicates the highest station on the main stream of the North Platte River, and shows that the last year of record used was 1935.

Station elevations (column 3) were taken, where available, from the original data on each station. In most cases where no elevation was given, an elevation was taken from some other source and marked "approximate".

Drainage basin areas (column 4) were obtained in the same manner as elevations, most of the "approximate" figures being planimeter measurements of U.S. Geological Survey quadrangle sheets or topographic maps.

Columns 5 to 12 are largely self explanatory, column 9 (mean discharge in second-feet) being the flow which if continued through a whole year would total the mean annual flow in acre-feet given in column 12. In the case of stations with short records, this mean figure is of little value for final water computations, though it may be useful in making preliminary studies. For more detailed studies, this mean must be corrected by comparison with stations of longer record to determine the relationship of the run-off during the actual period of record to the probable run-off over a longer period.

The records of some stations in the Colorado River basin were extended to the period 1900 to 1935 by comparison with the records of

the oldest stations. The results so obtained are shown in column 14 of the Colorado River basin table. To obtain an approximate 1900 to 1935 mean, divide column 12 by column 14 and add two places.

Column 13 shows the average recorded depth of run-off in inches of water over the area above the gauging station.

In general, quantities represent full year or nearly full year actual records. Where the record was missing during a small part of a year, which was evidently a maximum or minimum year, estimates were used for the missing part in order to obtain the truest maximum and minimum values. Such partially estimated quantities are designated by the letter "E". When accurate studies are being made the table is expected to be used as an index of available information rather than as a source of information in itself.

Many stations are maintained in the summer only, but as the summer flow is generally the bulk of the water, no differentiation was made between such stations and twelve-month stations other than to mark the record period (column 5), and the mean values (column 9 and 12) with an "x", and to make a notation to show the situation. (In the case of the records of the Denver Board of Water Commissioners in the South Platte River basin, all station records were April to November, and this was covered by the notation "D.N"). For such stations the maximum and minimum 24-hour discharges shown are for the record period only, while the mean second-foot discharge and the mean annual discharge are calculated from the total recorded flows as though it comprised a full year. If full year quantities are desired for these stations, they must be estimated by correlations with nearby

stations of full year record.

The mean annual flow (column 12 of the tables), as computed in the State Engineer's office, is taken as the sum of the mean monthly flows, the mean flow for each month of the year being the average of all complete records for that month.

Locations of gaging stations as given are those published in the latest available report on each particular station. The stations are sometimes moved short distances in order to get more favorable locations for taking readings. Change of stream-flow due to these short moves is disregarded where unimportant variations are made in tributary inflow, and, where the stream-flow is altered by additions or deductions of a measureable tributary, the station name is changed by the reporting agency and a separate record is begun.

The graphs at the end of the volume, (pages 113-115) show, by months, the periods of the record of each individual gaging station, the information being continued through 1936 though stations established in 1936 are not shown. The stations on the graph have been placed in the same order as in the tables.

The locations of the gaging stations are shown on the index maps in the pocket of the back cover. The first map shows the location and pertinent data for all Group 1 stations in the state. Actual locations are shown by an arrow which is connected to a companion circle, within which are shown: The station number (column 1 of Part 1 tables), the mean annual flow in thousands of acre-feet for the period of record (column 12 of the same tables) and the number of years of record, (column 5 of the tables).

New stations established or re-established in 1936 are given a serial number and are shown with a „ sigma

The second map is strictly an index map which shows the location of all Colorado stream-gaging stations, and important stations closely adjacent thereto, which are maintained by the State Engineer, the United States Geological Survey or the Denver Board of Water Commissioners. Group I stations are indicated by a heavy arrow with vertical index numbers, and Group II stations by a lighter arrow with slanting index numbers. Stations established or re-established from October 1, 1935 to April 1939, inclusive, are indicated by a $\frac{H}{\sigma}$ sign.

Extra prints, or prints twice the size of the enclosed maps, may be obtained from the State Planning Commission, 130 State Office Building, Denver, Colorado.

COLORADO STATE PLANNING COMMISSION

ALPHABETICAL INDEX OF STREAM GAGING STATIONS BY BASINS

STATIONS CURRENT OR HAVING RECORD OF 10 YEARS OR MORE

NORTH PLATTE RIVER BASIN

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Page No.</u>
NP12-24	Big Creek	Big Creek, Wyo., near	20
NP 1-35	Big Grizzly Creek	Walden (Hebron), near	19
NP13-24	Encampment Creek	Encampment, Wyo., near	20
NP 9-35	Illinois Creek	Rand, at	19
NP10-35	Illinois Creek	Walden, at	19
NP14-35	Laramie River	Glendevay, near	20
NP15-35	Laramie River	Jelm, Wyo., near	20
NP 4-35	Little Grizzly Creek	Hebron, near (at mouth)	19
NP 7-35	Michigan River	Lindland, near	19
NP 8-35	Michigan River	Walden, near	19
NP 2-35	North Platte River	Walden (Hebron), near	19
NP 3-35	North Platte River	Northgate, near	19
NP3 $\frac{1}{2}$ -35	North Platte River	Saratoga, Wyo., at	19
NP 5-35	Roaring Fork River	Walden (Hebron), near	19
NP11-35	Willow Creek	Rand, near	20

SOUTH PLATTE RIVER BASIN

SP29-35	Bear Creek	Starbuck, at & Morrison, at	23
SP30-01	Bear Creek	Morrison, near	23
SP31-35	Bear Creek	Mouth, at	23
SP48-35	Big Thompson River	Estes Park, at	24
SP49-35	Big Thompson River	Drake, near (below Lower House)	25
SP50-33	Big Thompson River	Drake, near (at Canon Mouth)	25
SP51-11	Big Thompson River	Arkins, at	25
SP52-35	Big Thompson River	Mouth, at	25
SP40-35	Boulder Creek	Crodeell, near	24
SP41-08	Boulder Creek	Boulder, near	24
SP42-35	Boulder Creek	Mouth, at	24
SP53-35	Cache La Poudre R.	Canon Mouth, at	25
SP54-35	Cache La Poudre R.	Mouth, at	25
SP32-12	Clear Creek	Forks Creek, at	23
SP33-35	Clear Creek	Golden, near	23
SP34-35	Clear Creek	Mouth, at	23
SP35-35	Fall River	Idaho Springs, at	23
SP19-35	Four Mile Creek	Nelson's Ranch, at	22
SP20-35	Four Mile Creek	Mouth, at	22
SP28-18	Geneva Creek	Grant, at	23
SP26-35	Goose Creek	Lake Cheesman, at	23
SP25-35	Jefferson Creek	Jefferson, above	22
SP39-35	Left Hand Creek	Mouth, at	24
SP24-35	Michigan Creek	Jefferson, above (Milligan Ranch)	22

SOUTHERN PLATTE RIVER BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Page No.</u>
SE 17-35	Middle Fk. S. Platte	Fairplay, below	22
SE 18-35	Middle Fk. S. Platte	Hartsel, near	22
SE 45-35	Middle Boulder Creek	Nederland, at	24
SE 46-30	Middle Boulder Creek	Nederland, at (at Outlet Barker Meadow)	24
SE 45-26	North Boulder Creek	Silver Lake, at	24
SE 27-35	North Fk. S. Platte	South Platte, at	23
SE 36-35	North St. Vrain Cr.	Longmont Dam, at	23
SE 37-35	St. Vrain Creek	Lyons, at	23
SE 38-35	St. Vrain Creek	Mouth, at	24
SE 47-35	South Boulder Creek	Eldorado Springs, near	24
SE 1-35	South Fk. S. Platte	Twin Bridges, at	21
SE 2-35	South Fk. S. Platte	Antero Reservoir, below	21
SE 3-35	South Fk. S. Platte	Eleven Mile Reservoir, above	21
SE 4-35	South Fk. S. Platte	Lake George, near (at 11 Mile Canon)	21
SE 5-35	South Fk. S. Platte	Lake Cheesman, above	21
SE 6-35	South Fk. S. Platte	Lake Cheesman, below	21
SE 7-29	South Fk. S. Platte	South Platte, at	21
SE 8-35	South Platte River	South Platte, at	21
SE 9-35	South Platte River	Waterton, at	21
SE 10-35	South Platte River	Denver, at	21
SE 11-35	South Platte River	Henderson, at	21
SE 12-35	South Platte River	Fort Lupton, near	21
SE 13-35	South Platte River	Kersey, near	22
SE 14-35	South Platte River	Sublette, at	22
SE 15-35	South Platte River	Balzac, at	22
SE 16-35	South Platte River	Julesburg, at	22
SE 21-35	Tarryall Creek	Como, above	22
SE 22-35	Tarryall Creek	Rock Creek, below	22
SE 23-35	Tarryall Creek	Lake George, near (at mouth)	22

REPUBLICAN RIVER BASIN

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REP 4-35	Frenchman Creek	Champion, Nebr., near	26
REP 2-35	North Fk. Rep. River	Colorado-Nebraska State Line, at	26
REP 1-35	Republican River	Max, Nebraska, at	26

ARKANSAS RIVER BASIN

A 2-35	Arkansas River	Granite, at	27
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A 8-35	Arkansas River	Lamar, at	27
A 9-35	Arkansas River	Holly, at	27
A 23-30	Bear Creek	Colorado Springs, near	29
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ARKANSAS RIVER BASIN (Continued)

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A11-23	Cottonwood Creek	Buena Vista, near (below Hot Springs)	27
A26-35	Cucharas River	La Veta, near	29
A 1-24	East Fk. Arkansas R.	Leadville, at	27
A13-35	Grape Creek	Westcliffe, near	28
A32-35	Holly Drain	Holly, near	30
A25-35	Huerfano River	Redwing, near (at Manzanares Crossing)	29
A18-30	Lion Creek	Halfway, near	28
A16-30	Little Beaver Creek	Likes Leak, near	28
A27-35	Lurgatoire River	Trinidad, at	29
A28-35	Lurgatoire River	Higbee, near (at Nine Mile Dam)	29
A29-35	Lurgatoire River	Las Animas, near at Highland (Carmen) Dam	29
A30-31	Lurgatoire River	Las Animas, at (at mouth)	29
A17-30	Sackett Creek	Likes Leak, near	28
A24-34	St. Charles River	Burnt Mill, at	29
A19-30	Sheep Creek	Halfway, near	28
A12-35	So. Fk. Arkansas R.	Salida, near	28
A20-30	South Ruxton Creek	Halfway, near	28
A22-30	Sutherland Creek	Lanitou, near	28
A10-24	Tennessee Fork	Leadville, at	27
A14-27	West Beaver Creek	Victor, near	28
A31-35	Wild Horse Creek	Holly, near (at mouth)	30

RIO GRANDE BASIN

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*R18-	Alamosa River	Capulin, near (above Union Ditch)	--
R11-35	Carnero Creek	La Garita, near	31
R27-35	Conejos River	Logote, near	33
R28-35	Conejos River	La Sauces, near (at mouth)	33
R32-35	Culebra River	San Luis, near	34
R13-26	Kerber Creek	Villa Grove, near	32
R12-35	La Garita Creek	La Garita, near	32
R20-35	La Jara Creek	Capulin, near	32
R31-35	Los Pinos Creek	Cortiz, near	34
R 8-35	North Clear Creek	Continental Reservoir, below	31
*R15-	North Crestone Cr.	Crestone, near	--
R10-24	Linos Creek	Del Norte, near	31
R 1-35	Rio Grande	Thirty Mile Bridge, at	31
R 2-35	Rio Grande	Mason, at (below Creede)	31
R 3-35	Rio Grande	Del Norte, near	31
R 4-35	Rio Grande	Monte Vista, at	31
R 5-35	Rio Grande	Alamosa, at	31
*R 6-	Rio Grande	Trinchera Creek, above	
R 7-35	Rio Grande	Lobatos, near	31
R19-35	Rock Creek	Monte Vista, near	32

RIO GRANDE BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Page No.</u>
R14-35	Saguache Creek	Saguache, near	32
R24-35	Sangre De Cristo Cr.	Fort Garland, near	33
R25-34	Sangre De Cristo Cr.	Smith Reservoir, above	33
R29-35	San Antonio River	Ortiz, near	33
R30-35	San Antonio River	Manassa, near (at mouth)	33
R 9-22	So. Fork Rio Grande	South Fork, at	31
R21-35	Trinchera Creek	Fort Garland, near (above Turner's Ranch)	32
R22-35	Trinchera Creek	Fort Garland, near (above Mountain Home Reservoir)	33
R23-35	Trinchera Creek	Smith Reservoir, below	33
R26-35	Ute Creek	Fort Garland, near	33

SAN JUAN RIVER BASIN

*S15-	Animas River	Howardsville, at	--
S16-27	Animas River	Tacoma, at	36
S17-35	Animas River	Durango, at	36
S20-35	Cascade Creek	Tacoma, near	36
*S18-	Cement Creek	Silverton, near	--
S26-35	Cherry Creek	Red Mesa, near (at mouth)	36
S23-35	Florida River	Durango, near	36
S21-28	Hermosa Creek	Hermosa, at	36
S24-35	La Plata River	Hesperus, at	36
S25-35	La Plata River	Colorado-New Mexico Line, at	36
S22-35	Lightner Creek	Durango, near	36
S11-35	Little Navajo River	Chromo, at	35
S13-35	Los Pinos River	Bayfield, near	36
S14-35	Los Pinos River	Ignacio, near	36
S27-35	Mancos River	Mancos, near	37
S28-35	Mancos River	Towaoc, near	37
*S19-	Mineral Creek	Silverton, near	--
S 9-35	Navajo Creek	Chromo, near	35
S10-35	Navajo Creek	Edith, at	35
S12-27	Piedra River	Arboles, at	36
S 8-35	Rio Blanco	Fagosa Springs, near	35
S6 $\frac{1}{2}$ -35	Rito Blanco	Fagosa Springs, near	35
S 1-35	San Juan River	Fagosa Springs, near	35
S 2-35	San Juan River	Fagosa Springs, at	35
S 3-26	San Juan River	Arboles, at	35
S 4-35	San Juan River	Rosa, N. Mex., at	35
S 5-35	San Juan River	Shiprock, N. Mex., near	35
S 6-35	San Juan River	Bluff, Utah, near	35
*S6 $\frac{1}{2}$ -	W. Fk. San Juan R.	Fagosa Springs, near (below Wolf Creek)	--
S 7-35	W. Fk. San Juan R.	Fagosa Springs, near	35

COLORADO RIVER BASIN

C12-35	Arapaho Creek	Monarch Lake, 2 miles below	39
C29-35	Blue River	Dillon, at	40

COLORADO RIVER BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Page No.</u>
*C43-	Buzzard Creek	Heiberger, near	--
C44-35	Buzzard Creek	Collbran, near	41
C40-35	Carr Creek	Higmore, near	40
C 1-35	Colorado River	Grand Lake, near	38
C 2-35	Colorado River	Granby, near	38
C 3-35	Colorado River	Hot Sulphur Springs, at	39
C 4-18	Colorado River	Kremmling, at	38
C 5-35	Colorado River	Glenwood Springs, at	38
C 6-35	Colorado River	Cameo, at	38
C 7-33	Colorado River	Falisade, near	38
C 8-23	Colorado River	Fruita, near	38
C 9-35	Colorado River	Cisco, Utah, near	38
C10-35	Colorado River	Lee's Ferry, Arizona, at	38
C37-35	Crystal River	Redstone, at	40
C65-35	Dolores River	Dolores, at	43
C32-25	Eagle River	Red Cliff, at	40
C33-24	Eagle River	Eagle, at	40
C54-35	East Muddy Creek	Tagged Mountain, near	42
C55-35	East Muddy Creek	Bardine, near	42
C48-35	East River	Almont, at	41
C14-35	Fraser River	West Portal, above	39
C15-35	Fraser River	Arrow, at (near West Portal)	39
C36-20	Frying Pan Creek	Thomasville, at	40
C45-28	Gunnison River	Gunnison, near	41
C46-17	Gunnison River	River Portal, at	41
C47-35	Gunnison River	Grand Junction, near	41
C51-35	Henson Creek	Lake City, at	41
C64-35	Kannah Creek	Whitewater, near	42
C50-35	Lake Fk. Gunnison R.	Lake City, at	41
*C56-	Leroux Creek	Cedaredge, near	--
C57-26	Leroux Creek	Lazear, near	42
*C24-	Meadow Creek	Tabernash, near	--
*C22-	Middle Fk. Ranch Cr.	Fraser, near	--
C52-35	N. Fk. Gunnison R.	Somerset, near	41
C53-32	N. Fk. Gunnison R.	Taonia, near	42
*C23-	North Fk. Ranch Cr.	Fraser, near	--
C41-35	Plateau Creek	Collbran, near	41
*C42-	Plateau Creek	Cameo, near	--
*C18-	Ranch Creek	Fraser, near (above Forks)	--
C19-35	Ranch Creek	Fraser, near	39
C20-35	Ranch Creek	Tabernash, near	39
C39-35	Roan Creek	Higmore, near	40
C34-35	Roaring Fork River	Aspen, at	40
C35-35	Roaring Fork River	Glenwood Springs, at	40
C17-35	St. Louis Creek	Fraser, near	39
C66-29	San Miguel River	Naturita, at	43
C30-35	Snake River	Dillon, at	40
*C21-	So. Fk. Ranch Cr.	West Portal, near	--
*C25-	Strawberry Creek	Granby, near	--

COLORADO RIVER BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Page No.</u>
C58-35	Surface Creek	Cedaredge, at	42
C49-35	Taylor River	Almont, at	41
C31-35	Ten Mile Creek	Dillon, at	40
C59-24	Uncompahgre River	Ouray, at	42
C60-29	Uncompahgre River	Ouray, below	42
C61-35	Uncompahgre River	Colona, near	42
C62-23	Uncompahgre River	Montrose, at	42
C63-31	Uncompahgre River	Delta, at	42
C16-35	Vasquez Creek	West Portal, near	39
C26-35	Williams Fk. River	Steelman Creek, below	39
C27-35	Williams Fk. River	Leal, near	39
C28-35	Williams Fk. River	Marshall, near	39
C13-35	Willow Creek	Granby, near	39
C38-35	Willow Creek	Raven, near	40

GREEN RIVER BASIN

G 6-35	Elk River	Clark, near	44
G 7-27	Elk River	Trull, near	44
G 8-18	Elkhead Creek	Craig, near	44
G19-23	Fourmile Creek	Ranger Station, at	45
G10-18	Fortification Creek	Craig, at	44
G 1-35	Green River	Linwood, Utah, near	44
G13-23	Little Snake River	Dixon, Wyo., at	44
G14-35	Little Snake River	Lily, near	45
G12-22	Middle Fk. Little Snake R.		
		Gardner's Ranch, at	44
G16-22	Slater Fk. Little Snake R.		
		Baxter's Ranch, at	45
G17-35	Slater Fk. Little Snake R.		
		Slater, Wyo., near	45
G23-20	South Fk. White R.	Buford, at	45
G21-35	White River	Meeker, near	45
G22-35	White River	Watson, Utah, near	45
G11-27	Williams Fork River	Hamilton, at	44
G18-23	Willow Creek	Ryan's Ranch, at	45
G 2-35	Yampa River	Steamboat Springs, at	44
G 3-16	Yampa River	Craig, at	44
G 4-35	Yampa River	Maybell, near	44

* Station established in 1936.

TABLE 1. SUMMARY OF DATA FOR THE 1970-1971 SEASON

STATION	DATE	TIME	WIND
10	10/1/70	0800	10-15
11	10/1/70	0900	10-15
12	10/1/70	1000	10-15
13	10/1/70	1100	10-15
14	10/1/70	1200	10-15
15	10/1/70	1300	10-15
16	10/1/70	1400	10-15
17	10/1/70	1500	10-15
18	10/1/70	1600	10-15
19	10/1/70	1700	10-15
20	10/1/70	1800	10-15
21	10/1/70	1900	10-15
22	10/1/70	2000	10-15
23	10/1/70	2100	10-15
24	10/1/70	2200	10-15
25	10/1/70	2300	10-15

TABLE 2. SUMMARY OF DATA FOR THE 1971-1972 SEASON

26	10/2/71	0800	10-15
27	10/2/71	0900	10-15
28	10/2/71	1000	10-15
29	10/2/71	1100	10-15
30	10/2/71	1200	10-15
31	10/2/71	1300	10-15
32	10/2/71	1400	10-15
33	10/2/71	1500	10-15
34	10/2/71	1600	10-15
35	10/2/71	1700	10-15
36	10/2/71	1800	10-15
37	10/2/71	1900	10-15
38	10/2/71	2000	10-15
39	10/2/71	2100	10-15
40	10/2/71	2200	10-15
41	10/2/71	2300	10-15
42	10/2/71	0000	10-15
43	10/2/71	0100	10-15
44	10/2/71	0200	10-15
45	10/2/71	0300	10-15
46	10/2/71	0400	10-15
47	10/2/71	0500	10-15
48	10/2/71	0600	10-15
49	10/2/71	0700	10-15
50	10/2/71	0800	10-15

TABLE 3. SUMMARY OF DATA FOR THE 1972-1973 SEASON

COLORADO STATE PLANNING COMMISSION

INDEX OF STREAM GAGING STATIONS BY BASINS

DISCONTINUED STATIONS OF LESS THAN 10 YEARS RECORD

NORTH PLATTE RIVER BASIN

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Years of Record</u>
NP-2A-05	North Platte River	Cowdrey, near	2x
NP-3A-04	North Platte River	Finkhampton, near	1x
N-5A-05	North Fork North Platte R.	Higbo, at	2x
#NP-5B-28	North Fk. N. Platte R.	Walden, near	5x
#NP-8A-05	Michigan River	Cowdrey, near	2x
#NP-11A-31	Canadian River	Cowdrey, near	5x
NP-13A-13	Laramie River	Laramie Poudre Tunnel, below	1x
NP-15A-12	West Branch Laramie	Mouth, at	1x
NP-15B-13	Rawah Creek	Mouth, at	2x
NP-15C-13	Munn Creek	Mouth, at	2x
NP-15D-13	Stub Creek	Mouth, at	2x
NP-15E-13	McIntyre Creek	Glendevy, at	1x
NP-15F-05	McIntyre Creek	Gleneyre, at	2x
NP-15G-12	Jimmy Creek	Mouth, at	1x
NP-15H-12	La Garde Creek	Mouth, 2 miles above	1x
NP-15I-13	La Garde Creek	Mouth, at	1x
NP-15J-12	Forrester Creek	Mouth, at	1x
NP-15K-13	Grace Creek	Mouth, at	2x
NP-15L-13	Stuck Creek	Mouth, at	2x

SOUTH PLATTE RIVER BASIN

SP-0A-17	Little So. Platte R.	Tumbling Creek, above	1x
SP-0B-17	Little So. Platte R.	Main Road	1x
SP-1A-17	So. Fork So. Platte R.	Twin Bridges, at	1x
SP-1B-17	So. Fork So. Platte R.	Antero Res. Intake, at	2x
SP-2A-16	So. Fork So. Platte R.	Antero Res. Outlet, at	1x
SP-2B-16	So. Fork So. Platte R.	Fourmile Creek, above	1x
SP-2C-16	So. Fork So. Platte R.	Buckley's, at	1x
SP-2D-16	So. Fork So. Platte R.	Spinney, at	1x
SP-3A-16	So. Fork So. Platte R.	Idlewild, at	1x
SP-8A-97	South Platte River	Deansbury, at	7
SP-8B-26	South Platte River	Intake, below	1
SP-8C-00	South Platte River	Platte Canon, at	3
SP-12A-05	South Platte River	Platteville, at	2x
SP-14A-06	South Platte River	Orchard, near	6

SOUTH PLATTE RIVER BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Years of Record</u>
SP-15A-24	Mouth Platte River	Ovid, at	3
SP-16B-17	Buffalo Springs Branch	63 Ranch, at	1x
SP-16A-17	Twelvemile Creek	Radford's Ranch, at	1x
SP-16C-17	Salt Creek	Hartsel, near	1x
SP-16D-17	Honey Creek	Hartsel, at	1x
SP-16E-16	Middle Fk. S. Platte R.	Alma, at	1x
SP-16F-17	Middle Fk. S. Platte R.	Fairplay, at	2x
SP-18A-16	Middle Fk. S. Platte R.	Mouth, at	1x
SP-18B-17	Beaver Creek	Fairplay, above	1x
*SP-21A-12	Tarryall Creek	Como, near	--
SP-21B-17	Tarryall Creek	Jefferson, near	6
SP-22A-16	Tarryall Creek	McLaughlin's Ranch, (near Hayman)	1x
SP-24A-12	Michigan Creek	Jefferson, near	2x
*SP-25A-12	Jefferson Creek	Jefferson, at	--
SP-25B-16	Rock Creek	Jefferson, near	1x
SP-26A-17	North Fk. So. Platte R.	Grant, at	7
SP-26B-13	North Fk. So. Platte R.	Gassels, at	6
*SP-27A-11	Geneva Creek	Jackwhacker Creek, above	--
*SP-27B-11	Geneva Creek	Old Geneva Smelter, at	--
*SP-27C-12	Geneva Creek	Sullivan's Ranch, at	--
*SP-28A-11	Smelter Creek	Grant, near	--
*SP-28B-11	Duck Lake Creek	Grant, near	--
SP-28C-13	Scott Gomer Creek	Grant, near	3
SP-31A-12	Clear Creek	Idaho Springs, at	2
SP-32A-88	Clear Creek	Golden, 7 mi. above	1x
SP-34A-31	West Fork Clear Creek	Empire, near	3
SP-35A-30	North Fork St. Vrain	Allen's Park, near	5
SP-35B-17	North Fork St. Vrain	Billing's Ranch, at	2
SP-36A-92	North Fork St. Vrain	Lyons, near	1x
SP-38A-31	South St. Vrain	Ward, near	4
SP-38B-92	South St. Vrain	Lyons, near	1x
SP-38C-30	Middle St. Vrain	Allen's Park, near	5
SP-38D-31	Lefthand Creek	Boulder, near	3
SP-43A-31	North Boulder Creek	Nederland, near	3
SP-43B-17	Middle Boulder Creek	Nederland, above	7
SP-46A-87	Fourmile Creek	Mouth, at	1 month
SP-46B-18	South Boulder Creek	Rollinsville, at	8
SP-52A-30	Little Thompson River	Berthoud, near	2
SP-52B-31	Cache La Poudre River	Chamber's Lake Outlet, above	3
SP-52C-11	Cache La Poudre River	Elkhorn, near	3
SP-52D-31	Cache La Poudre River	Log Cabin, near	3
SP-52E-11	Cache La Poudre River	Ft. Collins Water Works, near	3
SP-54A-31	So. Fk. Cache La Poudre	Eggers, near	3
SP-54B-31	N. Fk. Cache La Poudre	Livermore, at	3
SP-54C-24	Lodgepole Creek	Ovid, at	1
SP-54D-26	Lodgepole Creek	Mouth, at	1x

ARKANSAS RIVER BASIN

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Years of Record</u>
A-4A-89	Arkansas River	Rock Canon, near	1x
A-5A-16	Arkansas River	Boone, at	1x
*A-6A-98	Arkansas River	Manzanola, near	--
A-6B-03	Arkansas River	Rocky Ford, near	2
*A-7A-09	Arkansas River	Las Animas, at	--
A-7B-11	Arkansas River	Ft. Lyon, at	1x
A-7C-03	Arkansas River	Prowers, near	1x
A-7D-00	Arkansas River	Prowers, at	1x
A-7E-98	Arkansas River	Amity Canal Head Gates, nr.	1x
A-8A-03	Arkansas River	Granada, near	1x
A-10A-90	Lake Fk. Arkansas River	Arkansas Junction, near	1x
A-10B-14	Half Moon Creek	Leadville, near	4x
A-10C-00	Lake Creek	Inter Lachen	1 $\frac{1}{2}$ mos.
A-10D-10	Twin Lakes Outlet	Twin Lakes, near	2 mos.
A-10E-00	Lake Creek	Twin Lakes, below	3x
A-10F-09	Clear Creek	Granite, at	4
*A-10G-90	Cottonwood Creek	Buena Vista, near	--
*A-10H-11	Cottonwood Creek	Hot Springs, above	--
A-11A-90	South Fk. Cottonwood Cr.	Hot Springs, below	1x
A-11B-90	Middle Fk. Cottonwood Cr.	Buena Vista, near	1x
A-11C-13	N. Fk. Cottonwood Creek	Buena Vista, near	2
A-11D-19	Chalk Creek	St. Elmo, at (upper station)	6
A-11E-15	Chalk Creek	St. Elmo, nr. (lower station)	5
A-11F-10	Chalk Creek	Buena Vista, near	1x
A-11G-18	So. Fk. Arkansas River	Poncha Springs, at	8
A-12A-18	Poncha Creek	Poncha Springs, at	8
A-12B-23	Texas Creek	Mouth, at	1x
A-13A-28	Grape Creek	Canon City, nr. (at mouth)	1x
A-13B-10	Oil or Fourmile Creek	Canon City, near	1x
A-17A-26	Fountain River	Manitou, at	1x
A-17B-24	Fountain River	Colorado Springs, at	3x
A-17C-25	Fountain River	Fueblo, at	4
A-24A-25	St. Charles River	Mouth, at	4
A-24B-23	Greenhorn River	Rye, at	1
A-25A-23	Huerfano River	Malachite, at	1x
#A-25B-25	Huerfano River	Badito, at	3
A-25C-28	Huerfano River	Huerfano, at	5x
#A-25D-08	Huerfano River	Under Cliff, near	1x
A-25E-25	Huerfano River	Mouth, at	4
A-26A-08	Cucharas River	Falsenburg, at	2x
A-26B-25	Apishapa River	Mouth, at	4
A-26C-27	Timpas Creek	Catlin Canal, at	5
A-26D-25	Timpas Creek	Mouth, at	4
A-26E-25	Crooked Creek	Mouth, at	4
A-26F-27	Catlin Canal Waste	Timpas Creek, at	1x
A-27A-28	Purgatoire River	Alfalfa, near	8
*A-29A-98	Purgatoire River	J. J. Ranch, nr. La Junta	--
A-30A-23	N. Fk. Purgatoire River	Trinidad Water Works	1x
A-30B-23	Brown Creek	Trinidad Water Works	1x

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ARKANSAS RIVER BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Years of Record</u>
A-30C-23	Cherry Creek	Trinidad Water Works-	1x
A-30D-23	Whiskey Creek	Trinidad Water Works	1x
A-30E-23	Middle Fk. Purgatoire R.	Vigil, at	1x
A-30F-23	So. Fk. Purgatoire R.	Weston, at	1x
A-30G-12	Big Sandy Creek	Lugo, at	3x
*A-30H-12	Big Sandy Creek	Kit Carson, near	--
*A-30I-12	Big Spring Creek	Arena, near	--

RIO GRANDE BASIN

R-8A-10	Clear Creek	Creede, near	1x
R-8B-26	Goose Creek	Wagon Wheel Gap, near	2
R-12A-36	San Francisco Creek	Del Norte, near	1x
R-12B-26	San Luis Creek	Villa Grove, near	6x
R-13A-22	Kerber Creek	Villa Grove, below	1x
R-15A-36	South Crestone Creek	Crestone, near	1x
R-15B-36	Willow Creek	Crestone, near	1x
R-15C-36	Spanish Creek	Crestone, near	1x
R-15D-36	Cottonwood Creek	Crestone, near	1x
R-15E-36	Deadman Creek	Crestone, near	1x
R-15F-36	Arena (Sand) Creek	Crestone, near	1x
R-15G-33	Alamosa River	Jasper, at	2
R-15H-12	Alamosa River	Monte Vista, near	1x
R-19A-36	Rock Creek	Alamosa, near	1x
R-20A-36	La Jara Creek	Sanford, near (below Empire Canal)	1x
R-20B-32	La Jara Creek	Mouth, at	8
R-23A-36	Trinchera Creek	Sanford, near (at mouth)	1x
R-31A-26	Culebra River	Chama, near	3x
R-32A-36	Culebra River	San Acacia, near	1x
R-32E-16	San Francisco Creek	San Luis, near	1x
# R-32C-12	Costilla Creek	Jarosa, near (at mouth)	1x

SAN JUAN RIVER BASIN

*S-11A-12	Piedra River	Piedra, at	--
S-15A-03	Animas River	Silverton, at	1x
S-20A-21	Albert Creek	Electra Lake, above	8
S-26A-29	Long Hollow Creek	Red Mesa, near	2
# S-30A-11	West Mancos River	Mancos, near	1x
S-30B-29	McElmo Creek	Cortez, near	4

COLORADO RIVER BASIN

C-4A-07	Colorado River	State Bridge, at (Holcott)	2
*C4B-97	Colorado River	Shoshone, at	--

COLORADO RIVER BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Years of Record</u>
C-7A-99	Colorado River	Grand Junction, at	3
C-10A-12	North Inlet Grand Lake	Grand Lake, at	4
C-10B-13	Grand Lake Outlet	Grand Lake, at	8
C-12A-08	Arapaho(South Fork Grand)	Lehman, near (at mouth)	1x
C-13A-09	Fraser River		
	(Upper Station)	Fraser, near	2x
C-14A-09	Fraser River		
	(Lower Station)	Fraser, near	3x
C-15A-09	Fraser River	Granby, near	5
C-15B-09	Jim Creek (See Big Jim)	Fraser, near	3x
C-15C-09	Little Jim Creek	Fraser, near	3x
C-15D-09	Vasquez Creek		
	(Upper Station)	West Portal, near	2x
C-15E-09	Vasquez Cr.(Lower Station)	West Portal, near	3x
C-16A-09	Elk Creek	Fraser, near(at mouth)	3x
C-16B-09	St. Louis Creek		
	(Upper Station)	Fraser, near	2x
C-17A-09	St. Louis Creek		
	(Lower Station)	Fraser, near	2x
C-20A-09	So. Fork Ranch Creek	(Upper Station)	2x
C-21A-09	So. Fork Ranch Creek	(Lower Station)	3x
C-21B-09	Middle Fk. Ranch Creek	(Upper Station)	2x
C-22A-09	Middle Fk. Ranch Creek	(Lower Station)	3x
C-17B-09	Ranch Creek	(Upper Station)	2x
C-18A-09	Ranch Creek	(Lower Station)	3x
C-27A-17	Williams Fork Colorado R.	Scholl, near	7
C-28A-24	Troublesome Creek	Troublesome, near	5
C-28B-05	Muddy Creek	Kremmling, at	1x
C-28C-14	Blue River	Breckenridge, at	1x
C-29A-08	Blue River	Kremmling, near	4
C-29B-14	Spruce Cr.(Upper Station)	Breckenridge, near	1x
C-29C-14	Spruce Cr.(Lower Station)	Breckenridge, near	1x
C-29D-14	Crystal Creek	Breckenridge, near	1x
C-30A-04	Tenmile Creek	Kokomo, near	1x
*C-30B-03	Tenmile Creek	Unava Lake, near	--
*C-33A-07	Eagle River	Eagle, at(below Brush Cr.)	--
C-33B-09	Eagle River	Gypsum, at	5
C-33C-21	Turkey Creek	Red Cliff, at	8
C-33D-18	Homestake Creek	Red Cliff, at	8
*C-33E-11	Gore Creek	Minturn, near	--
C-33F-11	Beaver Creek	Avon, at	1
C-33G-13	Brush Creek	Eagle, at	3
*C-33H-14	No Name Creek	Glenwood Springs, near	--
C-34A-18	Roaring Fork Colorado R.	Aspen, below	5
C-34B-09	Roaring Fork Colorado R.	Emma, near	1
C-35A-12	Hunter Creek	Aspen, at	2x
C-35B-19	Castle Creek	Aspen, near	8
C-35C-17	Maroon Creek	Aspen, near	7
C-35D-15	Maroon Creek(Lower Sta.)	Aspen, near	2

COLORADO RIVER BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Years of Record</u>
C-35E-13	Snowmass Creek	Snowmass, at	3
C-35F-16	Fryingpan Creek	Norrie, at	6
C-36A-09	Fryingpan Creek	Basalt, at	1
C-36B-16	North Fk. Fryingpan Cr.	Norrie, near	6
C-36C-17	Crystal River	Marble, at	7
C-37A-09	Crystal River	Carbondale, near	2
C-37B-24	Elk Creek	New Castle, at	3
C-37C-15	East Fork Elk Creek	New Castle, near	5
*C-37D-14	Middle Fork Elk Creek	New Castle, near	--
*C-37E-11	West Fork Elk Creek	New Castle, near	--
*C-37F-09	West Divide Creek	Hostetler Ranch, at	--
C-37G-11	West Divide Creek	Beard Ranch, at	2
C-37H-10	West Divide Creek	Raven, at	1
C-38A-10	West Mamm Creek	Rifle, near	1x
C-38B-27	Parachute Creek	Grand Valley, at	7
C-39A-26	Roan Creek	DeBeque, near	6
# C-45A-03	Gunnison River	Iola, at	4
C-45B-05	Gunnison River	Cimarron, near	2x
C-46A-05	Gunnison River	Cory, near	3
*C-46B-97	Gunnison River	Roubideau, near	--
C-46C-06	Gunnison River	Whitewater, at	5
C-48A-13	Cement Creek	Crested Butte, near	3
C-48E-34	Taylor River	Taylor Park, at	6
C-48C-05	Taylor River	Almont, above	1x
C-49A-34	Texas Creek	Taylor Park, at	6
C-49B-34	Willow Creek	Taylor Park, at	6
# C-49C-22	Tomichi Creek	Sargents, at	6
# *C-49D-10	Tomichi Creek	Gunnison, near	--
C-49E-13	Quartz Creek	Hitkin, near	3
C-49F-14	Sapinero Creek	Sapinero, at	4
C-51A-05	Cimarron Creek	Cimarron, at	3
C-51B-19	Crystal Creek	Maher, near	3
C-53A-05	North Fk. Gunnison River	Hotchkiss, near	3
C-61A-08	Uncompahgre River	Fort Crawford, at	3x
C-61B-11	Uncompahgre River	Fort Crawford, near	1x
C-63A-15	Canyon Creek	Ourray, at	5
C-63B-27	Dallas Creek	Ridgeway, near	6
C-63C-23	Escalante Creek	Delta, near	2
C-64A-20	Dolores River	Rico, at	2
C-65A-22	Dolores River	Ledrock, at	5
C-65B-27	Lost Canyon Creek	Dolores, at	6x
C-65C-99	San Miguel River	Fall Creek, at	4
C-65D-24	San Miguel River	Blacerville, near	7
C-65E-12	San Miguel River	Canal Intake, at	9

GREEN RIVER BASIN

G-1A-11	Beaver Creek	Lodore, near	2x
G-1B-11	Vermilion Creek	Lodore, near	2x

GREEN RIVER BASIN (Continued)

<u>No.</u>	<u>Stream</u>	<u>Station</u>	<u>Years of Record</u>
G-1C-15	Yampa River	Yampa, at	6
G-4A-27	Morrison Creek	Cak Creek, near	1x
G-4B-22	Walton Creek	Steamboat Springs, near	2
G-4D-19	Soda Creek	Steamboat Springs, at	9
G-4E-18	Elk River	Hinman Park, at	7
G-7A-19	Big Creek	Steamboat Springs, near	2
G-7E-17	Mad Creek	Steamboat Springs, near	6
G-7C-11	Trout Creek	Hinman, at	2
G-7D-11	Fish Creek	Dunkley, at	2
G-4C-20	Fish Creek	Steamboat Springs, near	2
G-7E-20	Elkhead Creek	Hay's Ranch, at	2x
G-8A-20	North Fork of Elkhead Cr.	Hay's Ranch, at	2x
G-8B-20	East Fork Elkhead Creek	Hay's Ranch, at	1x
G-8C-10	Fortification Creek	Chapman's Ranch, at	1x
G-10A-10	Little Bear Creek	Skiles Ranch, at	1x
G-10B-11	Williams Fork Yampa R.	Pyramid, near	2
G-11A-05	Milk Creek	Axial, near	2
G-14A-23	So. Fk. Little Snake R.	Fleming, at	2x
G-14B-20	So. Fk. Little Snake R.	Gardner's Ranch, at	9
G-17A-22	Roaring Fork Slater Fk. (of Little Snake R.)	Baxter's Ranch, at	1x
G-17B-22	Savory Creek	Savory, Wyo., at	7
G-18A-18	Muddy Creek	Baggs, Wyo., at	3
G-19A-06	White River, North Fork	Buford, near	3
G-19B-20	White River, North Fork	Buford, at	8
*G-21A-95	White River	White River, at	--
G-21B-18	White River	Rangely, near	3x
G-22A-06	Marvine Creek	Buford, near	3
G-23A-18	Piceance Creek	Mouth, near	1x

x No record during winter months.

*Miscellaneous discharge measurements.

- Station reestablished since 1935.

Note: Station numbers indicate location with reference to current or long record stations, thus: NP-11A-05 and NP-11B-31 are stations in locations between NP-11-35 on Willow Creek and NP-12-24 on Big Creek in accordance with the numbering system explained on page two of this publication.

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NORTH PLATTE RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
North Platte (Continued)													
NPl1-35	Willow Creek near Rand	8,530	62	5x	1931-1935	268	0	11.5x	13,601	3,215	8,315x	2.5	
NPl2-24	Big Creek near Encampment Cr. near	7,900*	123	12	1913-1924 1900,	1,060	11	95.4	102,180	29,550	69,000	10.5	
NPl3-24	Encampment, "yo.		219	15	1911-1924			305.8	315,550	141,130	221,000	18.9	
NPl4-35	Laramie River near Glendevey	8,231	101	27	1904-1905 1911-1935	1,380	6	81.6	103,352E	19,948E	58,942	10.9	
NPl5-35	Laramie River near Jelm, Wyoming	7,730	297	27	1904-1905 1911-1935	2,980	10	177.5	239,920E	40,770	128,310	8.1	

Note-The stations are arranged in downstream order and the tributaries are indicated by indentation.

E-Estimated in part. Where record is lacking for few Winter Months, average flow used.

Records obtained from State Engineer's Office.

*- Approximate.

x-No record during winter months. Maximum and minimum 24 hour discharge shown for record period only. Mean second feet and annual acre-feet discharges calculated as though record covered full years.

WATER RESOURCES JOURNAL
August, 1937.

SOUTH PLATTE BASIN IN COLORADO

Stations Current or having Record of Ten Years or more.

Sheet No. 1

Stations Current or having Record of Ten Years or more											Sheet No. 2		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	So. Platte River near SPI3-35 Kersey												
	1901-1903												
	1905-1912												
	1914-1935												
	So. Platte River	4,600	9,500	33		31,000	35	783.0	1,541,800	182,940	565,860	1.1	
	SPI4-35 at Sublette												
	So. Platte River	4,490*	12,900	10	1926-1935	7,940	35	318.2	604,800E	95,260	229,990	0.3	
	SPI5-35 at Balzac												
	So. Platte River	4,090	17,700	19	1917-1935	31,200	6	397.2	1,016,370	59,054	287,080	0.3	
	So. Platte River												
	1902-1906												
	SPI6-35 at Julesburg												
	Middle Fk. So. Platte below	3,469	20,600	33	1908-1935	30,800	1	507.4	1,111,770	93,000	366,670	0.3	
	SPI7-35 Fairplay												
	Middle Fk. So. Platte near	9,490*	110*	3x	1933-1935	226	6	38.3x	37,864	19,856	27,703x	4.7	DWB
	SPI8-35 Hartsell												
	4 Mile at	8,980*	225*	3x	1933-1935	225	3	25.6x	23,436	15,466	18,536x	1.5	DWB
	SPI9-35 Nelson's Ranch												
	4 Mile	9,490*	38*	3x	1933-1935	33	0	4.0x	4,568	1,823	2,911x	1.4	DWB
	SPI20-35 at Mouth Tarryall												
	4 Mile	8,990*	42*	3x	1933-1935	88	1	5.5x	5,868	1,878	4,000x	1.8	DWB
	SPI21-35 above Como												
	Tarryall below	10,000*	37*	2x	1934-1935	124	6	11.3x	8,644	7,698	8,171x	4.1	DWB
	SPI22-35 Rock Creek												
	Tarryall Cr.	9,200*	242*	2x	1934-1935	800	3	16.0x	14,328	8,878	11,603x	0.9	DWB
	SPI23-35 Lake George												
	Michigan Creek above Jefferson	8,500*	460	12x	1916, 1925-1935	687	4	39.5x	51,240E	11,197E	28,550x	1.2	
	SPI24-35 Milligan Ranch												
	Jefferson above	9,990*	19*	2x	1934-1935	73	1	4.4x	3,414	3,012	3,213x	3.2	DWB
	SPI25-35 Jefferson												
	Jefferson above	9,990*	12*	2x	1934-1935	86	2	8.2x	6,942	4,870	5,906x	9.3	DWB

SOUTH PLATTE BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or More

											Sheet 3		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Goose Creek at Lake												
SP26-35	Cheesman	6,835	86	27	1909-1935	360	1	36.8	104,185	11,011	26,562	5.8	
	North Fork So. Platte R.				1909-1910								
SP27-35	at So. Platte	6,097	484	25	1913-1935	1,860	4	176.6	247,040	59,170	127,630	4.9	
	Geneva Creek												
SP28-18	at Grant	8,566	74	11	1908-1918	1,140	3	67.5	112,000	31,000	48,800	12.4	
	Bear Creek												
SP29-35	at Starbuck	6,400	111	16	1920-1935	678	3	59.3	84,820	18,941	42,847	7.2	
	Bear Creek				1887-1891								
SP30-01	near Morrison	5,750*	170	12	1895-1901	737	5	54.9	81,481E	30,067	39,700	4.4	
	Bear Creek				1914,								
SP31-35	at Mouth	5,300*	259	10	1927-1935	725	1	32.1	94,417E	7,085	23,179	1.7	
	Clear Creek												
SP32-12	at Forks Cr.	7,000*	345	14	1899-1912	1,994	5	231.1	242,460	88,850	167,000	9.1	
	Clear Creek				1909,								
SP33-35	near Golden	5,620	392	26	1911-1935	3,020	17	246.5	305,150	108,130	178,140	8.5	
	Clear Creek				1914,								
SP34-35	at Mouth	5,110	600	10	1927-1935	1,260	1	75.2	169,817E	20,783	54,351	1.7	
	Fall River												
	at Idaho												
SP35-35	Springs	7,720	23.6	6	1930-1935	151	2	18.6	17,127	10,142	13,477	10.7	
	No. St. Vrain												
	Creek at				1915-1917								
SP36-35	Longmont Dam	6,080	109	13	1926-1935	671	4	87.8	92,973	42,399	63,432	10.9	
	St. Vrain												
	Creek				1888-1891								
SP37-35	at Lyons	5,349	226	45	1895-1935	2,020	0	138.1	165,310E	48,800	99,770	8.3	

SOUTH PLATTE BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
St. Vrain Creek (Cont'd)														
St. Vrain Cr.						1915,								
SP38-35 at Mouth			4,740*	1,000	10	1927-1935	2,020	12	153.0	190,880	40,020	110,580	2.1	
Left Hand														
Creek at														
SP39-35 Mouth			4,990	74	9	1927-1935	332	1	12.0	17,419	3,085	8,657	2.2	
Boulder						1888,								
Creek near						1907-1914								
SP40-35 Orodell			5,800	105	29	1916-1935	1,180	2	96.3	105,000	37,500	69,610	12.4	
Boulder Cr.						1889-1892								
near						1895-1901								
SP41-08 Boulder			5,500	179	16x	1904-1908	1,200	3	130.1x	130,004	49,207	94,031x	9.9	
Boulder Cr.														
SP42-35 at Mouth			4,880*	512	9	1927-1935	733	0	40.6	63,854	5,972	29,310	1.1	
No. Boulder														
Creek at														
SP43-26 Silver Lake			10,100*	8.7	13	1914-1926	294	1	31.0	34,694	10,440	22,432	48.3	
Middle														
Boulder Cr.														
at														
SP45-35 Nederland			8,180	38	22	1917-1935	698	.8	53.3	55,031	23,298	38,489	19.0	
Middle Boulder						1908-1910								
Cr. at Neder-														
land-Outlet														
SP46-30 Barker Meadow			8,180	38	23	1908-1930	651	.8	57.4	56,003	25,809	41,500	20.5	
So. Boulder														
Cr. near						1888-1892								
SP47-35 Eldorado Spg.			5,800	114	42	1896-1901								
Big Thompson						1905-1935	1,050	1	77.1	95,596	27,310	55,687	9.2	
River at														
SP48-35 Estes Park			7,360	158	6	1930-1935	1,300	5	117.5	109,891	55,598	84,929	10.1	

SOUTH PLATTE BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	Sheet No.5
	South Platte (Cont'd)													
	Big Thompson													
	River below													
	Power House													
SP49-35	near Drake	6,500	277	7	1929-1935	1,540	2	146.2	141,190	68,170	105,651	7.2		
	Big Thompson													
	River at													
	Canon Mouth													
SP50-33	near Drake	6,000*	301	16	1918-1933	3,140	5	201.7	226,509	74,730	145,750	9.1		
	Big Thompson													
	River													
SP51-11	at Arkins	5,500	305	21	1902-1911	2,600	2	174.3	240,926E	79,790	126,000	7.7		
	Big Thompson													
	R. at Mouth													
SP52-35	R. at Mouth	4,660	818	10	1927-1935	1,620	0	52.1	142,599E	15,519	37,658	0.9		
	Cache La Poudre													
	River at													
SP53-35	Canon Mouth	5,070	1,048	52	1884-1935	7,550	6	431.6	674,700	135,310	311,910	5.6		
	Cache La													
	Poudre at													
SP54-35	Mouth	4,610	1,840	21	1924-1935	4,220	3	130.8	286,460	32,598	94,540	1.0		

Note-The stations are arranged in downstream order and the tributaries are indicated by indentation.

Records obtained from State Engineer's Office except where otherwise noted.

DWB-Records obtained from Denver Water Board. April to November inclusive.

E-Estimated in part. Where record is lacking for few Winter Months, average flow used.

* Approximate

x No record during winter months. Maximum and minimum 24 hour discharge shown for record period only. Mean second feet and annual acre feet discharges calculated as though record covered full years.

WATER RESOURCES SURVEY.

REPUBLICAN RIVER BASIN IN COLORADO DATA ON STREAM FLOW FROM GAGING STATIONS RECORDS

Stations Current or having Record of Ten Years or more.

Sheet No.1															
S	T	A	T	I	O	N	R E C O R D			Ave.24-hr. Discharge	Mean Discharge	Runoff equiv- alent in	%Mean		
		Drainage Area		Length (Yrs.)		Period From To		Second Feet		Second Feet		Annual Discharge Ac.Ft. Max. Min. Mean			
No.	2	Elev.	Sq.Mile	3	4	5	6	7	8	9	10	11	12	13	14
Republican															
River at															
REP-1-35	Max, Nebr.	2,877	7,740*	7	1929-1935	190,000	0	195.0	484,210	93,337	140,955	0.34			
North Fork															
Republican R.															
at Colo.-Nebr.															
REP-2-35	State Line	3,336	395 "A"	5	1931-1935	378	0	44.2	41,260	32,012	31,964	1.52			
Arikaree															
River at															
REP-3-35	Haigler,Nebr.	3,243	1,600	4	1932-1935	50,000	0	49.8	91,699	15,050	35,968	0.42			
Frenchman															
Creek near															
REP-4-35	Champion,Nebr.	1,020**	3	1933-1935	849	8	22.6	21,700	19,481	16,348	0.30				

Note-The stations are arranged in downstream order and the tributaries are indicated by indentation.

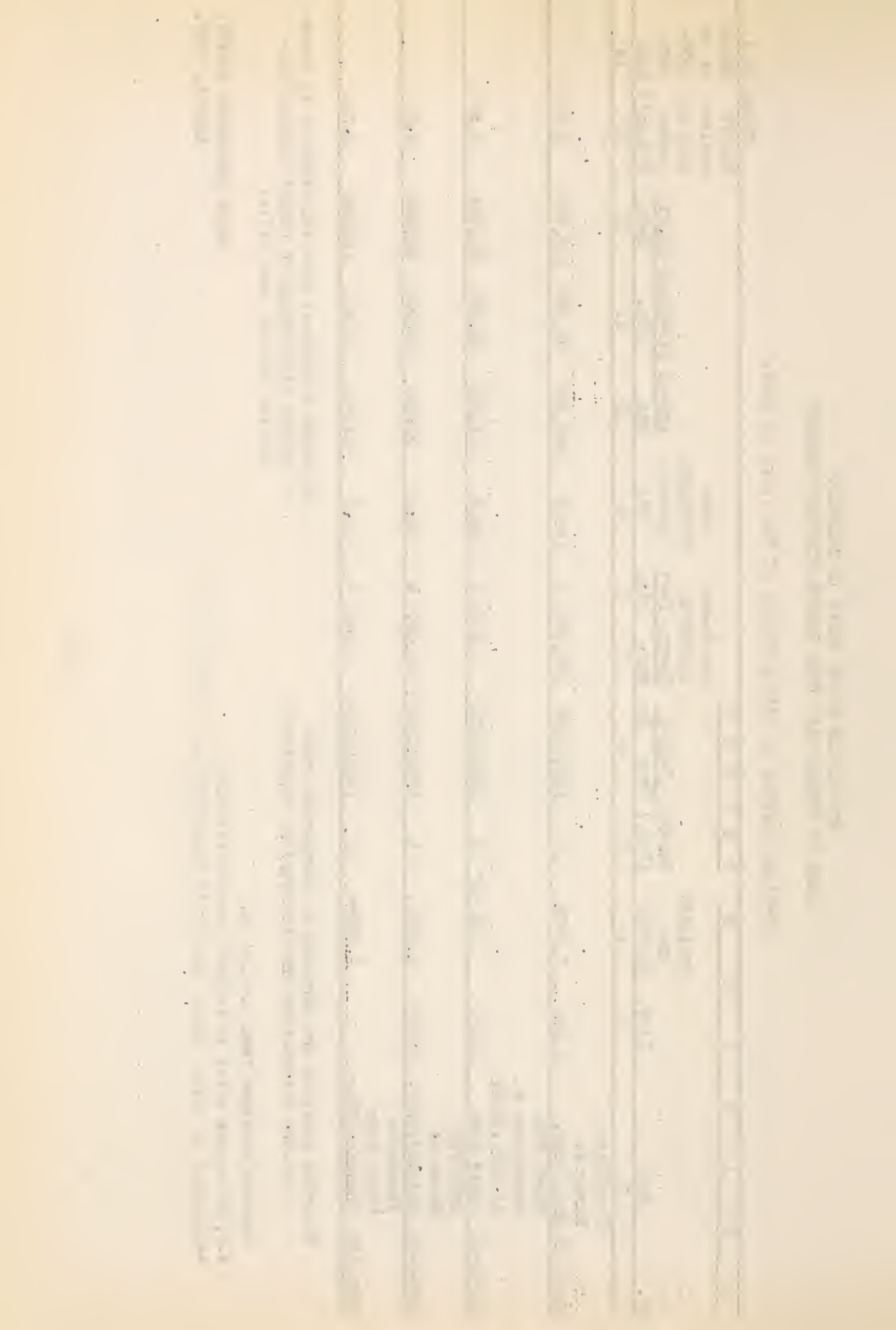
"A"-Large additional area tributary as to underground flow though no direct channel connection through sand hills.

Records obtained from U. S. C. S.

*-1,900 square miles is largely non-contributing.

**Subject to error, basin boundaries indefinite on a reliable maps.

WATER RESOURCES SURVEY.
August, 1937.



ARKANSAS RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

Sheet No.1																					
S	T	A	T	I	O	N	R	E	C	O	R	D	Ave.24-hr. Discharge	Mean Discharge	Annual Discharge				Runoff equiva- lent in 1900- inches	Mean M'n.An'l Mean	
															Drainage Area	Length (Yrs.)	Period From To	Second Feet			Max.
No.	2	Name	Elev.	3	4	5	6	7	8	9	10	11	12	13	14						
1		Arkansas River																			
A-1-24		at Leadville	10,000	52	14	1911-1924		773	5	41.8	38,742	19,711	30,200	10.9							
A-2-35		Arkansas at Granite	8,930	431	28	1910-1935	1897-1898	2,790	8	333.0	327,090E	125,470	240,670	10.5							
A-3-35		at Salida	7,038	1,210	35	1910-1935	1895-1903	4,840	65	612.3	563,300	243,500	442,520	6.9							
A-4-35		Arkansas at Canon City	5,363	3,090	48	1888-1935		6,690	90	735.4	720,000	231,000	531,480	3.2							
A-5-35		Arkansas at Pueblo	4,675	4,730	45	1885-1887 1889 1895-1935		34,600	1	742.8	889,000	164,710	536,842	2.1							
A-6-35		Arkansas near Nepesta	4,396	9,130	34	1898-1904 1906-1908 1910, 1912, 1914-1935		S	0	701.7	975,600	187,550E	507,150	1.0							
A-7-35		at La Junta	4,052	12,200	26	1889, 1903, 1912-1935		61,100	0	273.3	907,203	59,450	197,540	0.3							
A-8-35		at Lamar	3,570	19,800	23	1913-1935		87,300	0	287.2	1,063,216	32,909	207,540	0.2							
A-9-35		at Holly	3,387	25,000	28	1908-1935		125,000	0	356.1	987,560	43,063	257,380	0.2							
A10-24		Tennessee Fork at Leadville	10,000	45	14	1911-1924		414	1	39.7	40,468	17,021	28,700	12.0							
A11-23		Cottonwood Cr. below Hot Spgs. near Buena Vista	8,000	72	13	1911-1923		540	14	66.1	59,400	36,300	47,800	12.4							

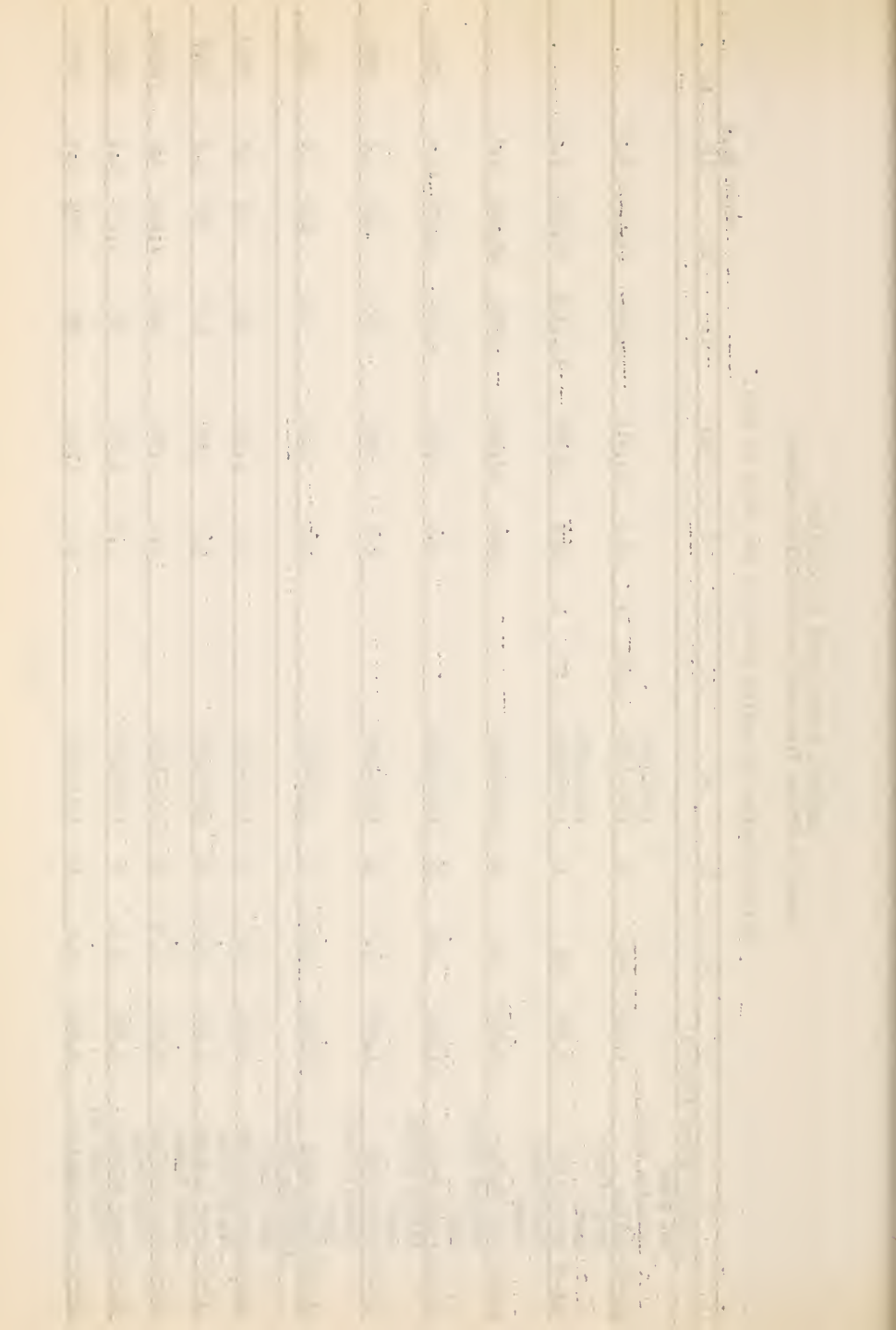
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ARKANSAS RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Sheet No.2												
	Arkansas River (Cont'd)												
	So. Fork				1922-1924								
A12-35	Arkansas near			10	1929-1935	1,220	0	37.8	54,411	13,530	27,352	2.5	
	Salida	7,038	208										
	Grape Creek												
A13-35	near			10	1925-1928								
	West Beaver	7,800	346		1930-1935	579	1	35.5	40,700	11,111E	25,660	1.4	
	Creek												
A14-27	near Victor		70	23	1905-1927			19.0	37,038	2,725	13,759	3.7	
	Boehmer Creek												
A15-30	near			21	1910-1930			6.0	9,010	1,700	4,372	11.4	USGS
	Pikes Peak	11,000	7.2										
	Little Beaver												
	near												
A16-30	Pikes Peak	11,000	1.0	21	1910-1930			0.6	664	170	425	8.0	USGS
	Sackett Creek												
A17-30	near			21	1910-1930			0.4	584	56	273	7.9	USGS
	Pikes Peak	11,000	0.65										
	(Fountain River)												
	Lion Creek												
A18-30	near Halfway	9,250	2.0	23	1908-1930			1.1	1,282	402	766	7.2	USGS
	Sheep Creek												
A19-30	near Halfway	9,100	0.73	23	1908-1930			0.5	822	148	382	9.8	USGS
	South Ruxton												
A20-30	near Halfway	9,000	3.95	25	1906-1930			2.1	2,720	908	1,541	7.3	USGS
	Cabin Creek												
A21-30	near Halfway	9,000	2.4	24	1907-1930			1.5	1,940	408	1,076	8.4	USGS
	Sutherland Cr.												
A22-30	near Manitou	6,600	4.4	13	1918-1930			1.1	1,490	352	809	3.4	USGS



ARKANSAS RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

Sheet No. 3													
1	2	3	4	5	6	7	8	9	10	11	12	13	14
(Fountain River) (Cont'd)													
Bear Creek													
near													
A23-30	Colorado Spgs.	6,615	6.9	13	1918-1930			2.0	3,250	616	1,466	4.0	USGS
St. Charles													
at													
A24-34	Burnt Mill	5,500*	166	12	1923-1934	1,680	1	28.7	45,967E	5,448	20,752	2.3	
Huerfano at													
Manzanares													
Crossing near													
A25-35	Redwing	8,000*	76	13	1923-1935	253	7	35.2	34,379	15,500E	25,448	6.3	
Cucharas													
near													
A26-34	La Veta	8,000	75	12	1923-1934	624	1	22.4	36,095	6,019	16,252	4.1	
1897-1939													
1908,													
1910-1912													
A27-35	Trinidad	5,990	742	27	1916-1935	3,620	2	95.0	109,630	25,850	68,680	1.7	
Purgatoire at													
Nine Mile Dam													
A28-35	near Higbee	4,250*	2,900	12	1924-1935	27,000	0	96.0	137,517	25,500	69,390	0.4	
Purgatoire at													
Highland (Car-													
men) Dam near													
1921,													
A29-35	Las Animas	4,000*	3,320	5	1932-1935	6,040	0	73.8	77,240E	24,000	53,355	0.3	
Purgatoire													
at mouth													
at													
1889,													
A30-31	Las Animas	3,850*	3,395*	11	1922-1931	23,000	0	169.2	324,664	17,290	122,280	0.7	

THE HISTORY OF THE

REIGN OF KING CHARLES THE FIRST

IN THE YEAR 1649

BY JOHN BURNET

OF THE UNIVERSITY OF OXFORD

IN TWO VOLUMES

LONDON

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ARKANSAS RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

Seasons Current or Having Record of an Injury													Sheet No. 4
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Arkansas River (Cont'd)													
Wild Horse Creek at mouth													
A31-35	near Holly	3,387	225*	13	1923-1935	216	0	8.2	13,228	463	5,91½	0.5	
Holly													
Drain													
A32-35	near Holly	3,385		12	1924-1935	933	5	32.6	30,290	16,940	23,580		

Note—The stations are arranged in downstream order
and the tributaries are indicated by indentation.

Records obtained from State Engineer's Office
except where otherwise noted.

USGS-Records obtained from U. S. G. S.

E—Estimated in part. Where record is lacking
for few Winter Months, average flow used.

* Approximate

S—Station out during Pueblo flood of June 1921.

WATER RESOURCES SURVEY.
August, 1937.

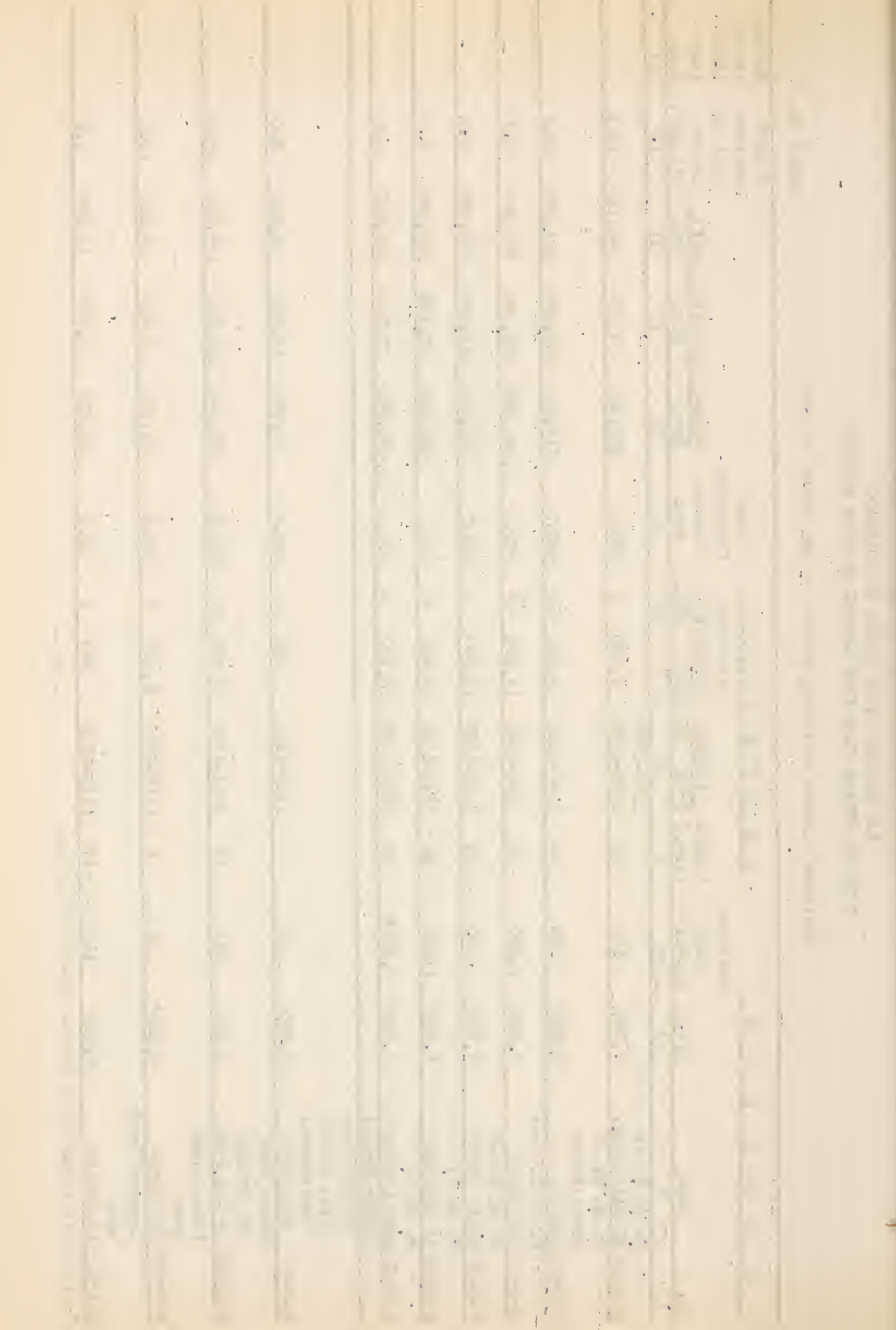
RIO GRANDE RIVER BASIN IN COLORADO DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

Sheet No. 1

No.	S T A T I O N	Drainage Area Sq. Mile	R E C O R D				Mean Discharge Feet	Second Feet	Annual Discharge		Mean M'n. An'l	Runoff equiv- alent in inches	Mean 1900- 1935
			Length (Yrs.)	Period From To	Discharge Second Feet Max. Min.	Ave. 24-hr. Discharge Second Feet Max. Min.			Max.	Min.			
1	2	3	4	5	6	7	8	9	10	11	12	13	14
R-1-35	R. G. R. at 30 Mile Brdg.	9,380	163	26	1909-1923	5,720	1	229.9	259,983	77,327	166,147	19.1	
R-2-35	R. G. R. at Wason below Creede	8,590	705	29	1907-1935	8,620	55	680.3	715,910	226,060	491,630	13.1	
R-3-35	R. G. R. near Del Norte	7,868	1,320	46	1890-1935	14,000	69	978.6	1,140,800	255,420	707,230	10.0	
R-4-35	R. G. R. at Monte Vista	7,500	1,740	10	1926-1935	12,500	4	321.7	392,380	113,390	232,480	2.5	
R-5-35	R. G. R. at Alamosa	7,536	1,840	24	1912-1935	10,600	2	372.7	632,400	57,698	269,360	2.7	
R-7-35	R. G. R. near Lobatos (Clear Creek)	7,440	7,700*	37	1899-1935	13,100	6	781.8	1,483,900	73,140	565,030	2.2	
R-8-35	North Clear Creek below Continental Reservoir	10,500	49	7	1929-1935	236	0	28.8	33,629	13,029	20,813	8.0	
R-9-22#	South Fork Rio Grande at So. Fork Pinos Creek	8,176	216	12	1911-1922	3,200	20	258.8	250,390	121,500	187,000	16.2	
R10-24#	near Del Norte Carnero Creek	8,400*	53	6	1919-1924	2,400	7	47.2	46,775	27,448	34,100	12.1	
R11-35	near La Garita	8,000	117	17	1919-1935	500	1	15.6	24,619	4,223	11,255	1.8	

*-2,940 sq.mi. in Closed Basin, non-contributing.



RIO GRANDE RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

Sheet No. 2
14

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Rio Grande (Continued)													
La Garita Crk.													
near													
R-12-35	La Garita	8,000	61	17	1919-1935	316	2	18.2	30,752	4,556	13,143	4.0	
(San Luis Creek)													
Kerber Creek													
near													
R13-26#	Villa Grove	9,000*	36	5	1912, 1923-1926	9	0	19.8	18,868	8,494	14,300	7.1	
Saguache Cr.													
near													
R14-35	Saguache	7,800	595	25	1911-1935	674	14	80.8	88,720	25,270	58,420	1.8	
Alamosa R.													
above													
Terrace													
R16-35	Reservoir	8,500	107	10	1915-1919 1924-1927 1935-	1,550	12	136.5	144,960	70,004	98,633	17.3	
Alamosa R.													
below													
Terrace													
R17-35	Reservoir	8,400	116	24	1909-1912 1915-1920 1922-1935	1,450	0	134.0	137,456	36,999	96,860	15.7	
Rock Crk.													
near													
R19-35	Monte Vista	8,300*	33.6	7x	1919-1924 1935-	165	3	15.4 x	15,759	7,523	11,095 x	6.2	
La Jara Crk.													
near													
R20-35	Capulin	8,800	73	18x	1916-1917 1919-1930 1932-1935	348	1	24.0 x	24,938	4,060	17,307 x	4.4	
Trinchera Cr.													
above Turner's													
Ranch near													
R21-35	Fort Garland	8,490	45	13	1923-1935	310	6	23.5	23,305	8,213	16,971	7.1	

RIO GRANDE RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

Sheet No. 3.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Rio Grande (Continued)														
Trinchera Crk. above Mountain Home Reservoir near Trinchera Crk.														
R22-35	Fort Garland	8,000	61	13x	1923-1935	347	.05	17.3 x	21,881	4,076	12,500 x	3.8		
R23-35	Smith Res.	7,700	396	7	1929-1935	160	1	10.9	18,870	3,599	7,904	0.4		
Sangre De Cristo Creek near Fort Garland														
R24-35	Fort Garland	8,000	187	13x	1923-1930 1932-1935	375	0	21.3 x	37,204	5,453	15,402 x	1.5		
Sangre De Cristo Creek above Smith Res.														
R25-34#	Smith Res.	7,950*	231	6x	1929-1934	185	1	18.7 x	23,835	4,723	13,511 x	1.1		
Ute Creek near Fort Garland														
R26-35	Fort Garland	8,000	32	14x	1916, 1923-1935	279	2	22.0 x	24,421	7,840	15,865 x	9.3		
Conejos River near Mogote														
R27-35	near Mogote	8,300	282	33	1903-1935	4,500	10	382.6	429,760	109,850	276,480	18.4		
Conejos R. at mouth near La Sauges														
R28-35	La Sauges	7,500	887	15	1921-1935	3,610	0	244.3	325,260	24,527	176,570	3.7		
San Antonio River near Ortiz														
R29-35	Ortiz	8,200	110	14x	1915, 1919-1920 1925-1935	1,200	0	29.4 x	55,484	2,793	21,243 x	3.6		
San Antonio R. at Mouth near Manassa														
R30-35	Manassa	7,700	348	13	1923-1935	1,770	0	96.7	140,571	5,832	69,901	3.8		

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RIO GRANDE RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

			Sheet No. 4										
1	2	3	4	5	6	7	8	9	10	11	12	13	14
San Antonio River (Cont'd)													
Los Pinos Cr.													
near													
R31-35 Ortiz		8,100	167	17	1915-1920 1925-1935	2,240	5	136.6	147,790	33,609	98,727	11.1	
Gulebra River													
near													
R32-35 San Luis		8,000	220	20	1909-1919 1927-1935	470	5	66.4	68,470	32,630	48,000	4.1	

Note-The stations are arranged in downstream order and the tributaries are indicated by indention.

* Approximate

#-Reestablished 1936.

Records obtained from State Engineer's Office.

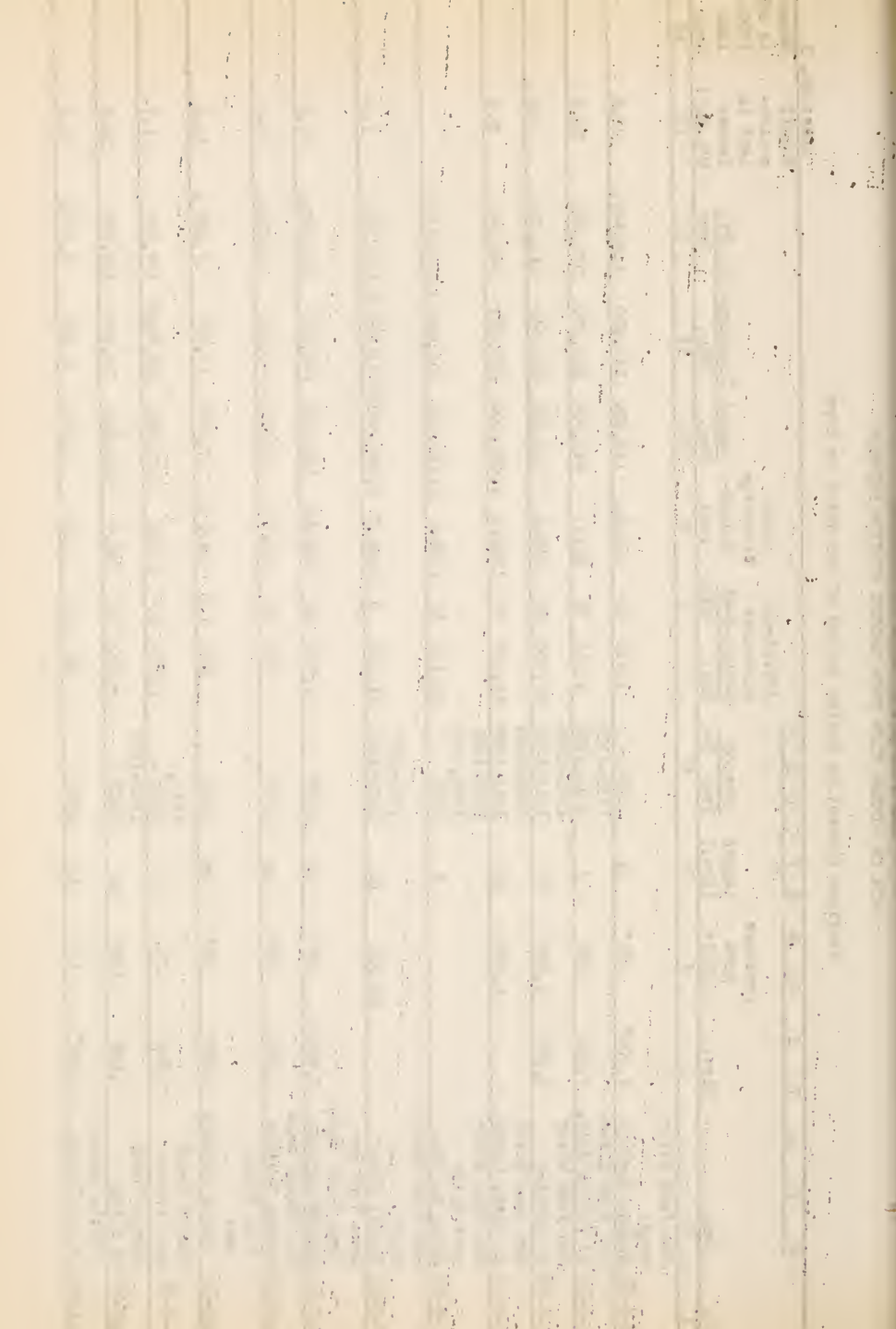
x No record during winter months. Maximum and minimum 24 hour discharge shown for record period only. Mean second feet and annual acre feet discharges calculated as though record covered full years.

WATER RESOURCES SURVEY.
August, 1937.

SAN JUAN RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten years or more.

No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge				Annual Discharge		Mean	Mean		Runoff equiva- lent in inches	Sheet No. 1
						Max.	Min.	Feet	Second-	Max.	Min.		11	12	13	
1	2	3	4	5	6	7	8	9		10		12			14	
San Juan River																
S-1-35	Pagosa Springs near	7,600*	86*	1x	1935	1,210	33	163.8x		118,400	118,400	118,400x			25.6	
S-2-35	San Juan River at Pagosa Spgs.	7,095	287	6	1911-1915 4 Mo. 1935	4,710	75	521.7		446,900	223,750	377,052			24.6	
S-3-26	San Juan River at Arboles	6,000	1,394	21	1895-1899 1911-1926	25,000	22	845.4		995,200	230,340	611,000			8.2	
S-4-35	San Juan River at Rosa, N. Mex.		1,990	30	1895-1899 1911-1935 1930-1931	34,370	70	1305.3		1,655,600	320,850	943,340			0.9	
S-5-35	near Ship- Rock, N. Mex.			5	1933, 1974 1935	22,100	10	1928.4		2,418,210	742,280	1,393,619				
S-6-35	near Bluff, Utah		24,000	12	1915-1917 1927-1935	51,100	0	3140.0		3,367,380E	661,930	2,269,334			1.8	
S-7-35	West Fork San Juan River near Pagosa Springs	7,600*	87*	1x	1935	1,790	42	202.4x		146,300	146,300	146,300x			31.5	
S-8-35	Rio Blanco near Pagosa Springs	7,950*	36*	1x	1935	903	22	103.6x		74,850	74,850	74,850x			39.0	
S-9-35	Rito Blanco near Pagosa Springs	7,350*	26*	1x	1935	265	1.0	24.5x		17,690	17,690	17,690x			12.8	
S-10-35	Navaajo Creek near Chromo	7,500*	171	2	1912, 1935	1,920	50	273.8		205,000	190,740E	197,870			21.7	
S-11-35	Navaajo Creek at Edith	7,100	164	18	1913-1929 1935	2,830	14	192.4		240,500	78,070	139,020			15.9	
S-12-35	Little Navaajo R. at Chromo	7,300*	27	1x	1935	120	0.6	8.2x		5,900	5,900	5,900x			4.1	

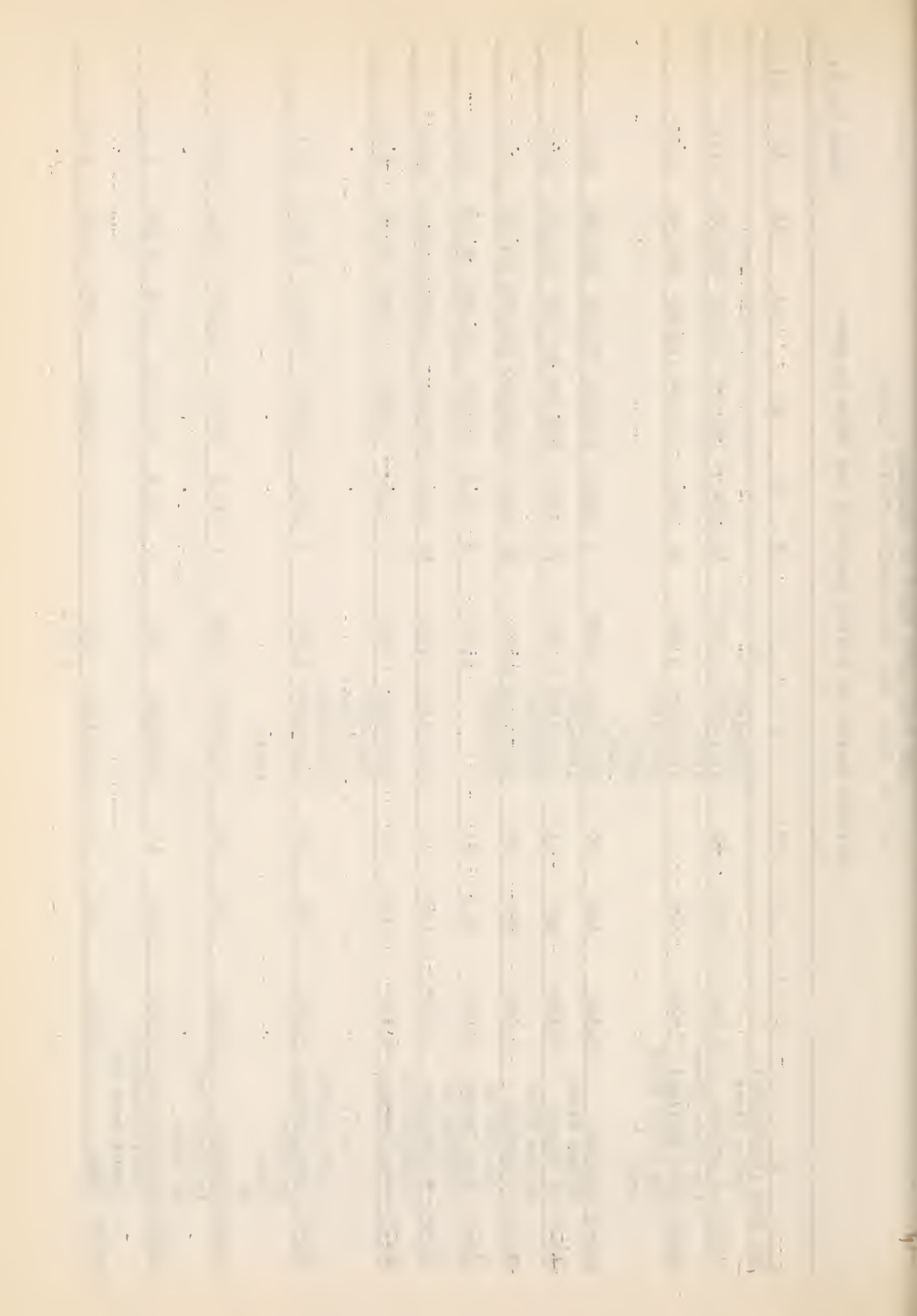


SAN JUAN RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

Sheet No. 2.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
San Juan (Continued)													
	Piedra River	6,000	650	22	1895-1899								
	S12-27 at Arboles				1911-1927	9,370	13	534.1	660,360	96,380	386,000	11.1	
	Los Pinos River				1926,								
	S13-35 near Bayfield	7,500	284	9	1928-1935	4,500	40	355.5	372,550	124,680	256,940	17.0	
	Los Pinos River				1899-1901								
	near				1903,								
					1906,								
	S14-35 Ignacio	6,480	448	30	1911-1935	7,000	0	402.0	476,080	58,796	290,555	12.2	
	Animas River				1903-1909								
	S16-27 at Tacoma	7,400*	437	14	1916-1927	19,800	15	708.5	660,170	377,490	512,000	13.0	
	Animas River				1898-1905								
	S17-35 at Durango	6,550	692	37	1910-1935	22,000	50	919.1	1,088,600	249,730	664,250	18.0	
	Cascade Cr.				1915-1935								
	S20-35 near Tacoma	8,853	26.8	21		1,110	2	53.0	63,826	25,491	38,310	26.8	
	Hermosa Cr.												
	S21-26 at Hermosa	6,700	168	17	1912-1928	6,420	16	184.0	208,140	74,680	133,000	14.8	
	Lightner Cr.												
	S22-35 near Durango	6,700	64	9	1927-1935	358	1	18.8	23,850	3,330	13,554	4.0	
					1901-1903								
					1911-1912								
					1917-1924								
	S25-35 Florida River	7,300	96	22	1927-1935	2,940	0	128.0	163,429	27,971	92,472	18.1	
	near Durango												
	La Plata River												
	at				1906,								
	S24-35 Hesperus	8,100	37	20	1917-1935	934	1	49.6	57,088	13,557	35,816	18.2	
	La Plata River												
	at Colo.												
	S25-35 New Mex. Line	6,000	331	16	1920-1935	965	0	39.4	70,773E	8,356	28,460	1.6	
	Cherry Creek at												
	mouth near Red												
	S26-35 Mesa	6,490	66	8	1928-1935	229	0	7.8	10,320	877E	5,610	1.6	



SAN JUAN RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATIONS RECORDS

Sheet No. 3

Stations Current or having Record of Ten Years or more

1	2	3	4	5	6	7	8	9	10	11	12	13	14
San Juan (Continued)													
1898-1899													
1922-1924													
S27-35 near Mancos		7,140	73	9	1932-1935	770	1	47.7	48,332E	11,358	34,503	8.9	
Mancos River													
S28-35 near Towaoc		6,000	558	15	1921-1935	1,990	0	61.4	106,651	8,644	44,338	1.5	

Note-The stations are arranged in downstream order and the tributaries are indicated by indentation.

Records obtained from State Engineer's Office.

* Approximate

E- Estimated in part. Where record is lacking for few winter months, average flow used.

x No record during winter months. Maximum and minimum 24 hour discharge shown for record period only. Mean second feet and annual acre feet discharges calculated as though record covered full years.

WATER RESOURCES SURVEY.
AUGUST, 1937.

COLORADO RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

S T A T I O N				R E C O R D										Sheet No.1	
No.	Name	Elev.	Sq. Miles	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge		Min.	Max.	Annual Discharge	Runoff		% Mean		
						Second	Feet				Ac.Ft.	Equivalent in Inches			
1	2	3	4	5	6	7	8	9	10	11	12	13	14		
C-1-35	Colorado River near Grand Lake	8,153	101	15	1934-1935	1,840	2	133.7	133,750	57,902	96,650	17.9	106.0		
	Colorado River near Granby	7,950*	322	6	1908-1911 1934-1935	4,000	33	314.8	338,640	206,650E	227,540	13.3			
C-2-35	Colorado River at Hot Sulphur Springs	7,680	782	29	1905-1909 1911-1924 1926-1935	9,280	38	740.4	719,700	254,540	535,080	12.8	104.2		
C-3-35	Colorado River at Kremling	7,320	2,380	14	1905-1918	20,020	166	1,840.3	1,760,000	891,000	1,330,000	10.5	107.6		
C-4-L' at	Colorado River at Glenwood Springs	5,747	4,560	36	1900-1935	29,700	286	3,052.8	3,008,000	1,030,130	2,206,270	9.1	100.0		
C-5-35	Colorado River at Cameo	4,750	8,055	2	1934-1935	34,900	738	3,246.2	2,861,000	1,859,000	2,346,000	5.5			
C-6-35	Colorado River near Palisades	4,729	8,790	32	1902-1933	50,800	177	5,317.6	5,500,000	1,670,000	3,843,000	8.2			
C-7-33	Colorado River near Fruita	4,500	16,800	16	1908-1923	81,100	1,270	8,745.0	8,000,000	4,260,000	6,320,000	7.1			
C-8-23	Colorado River near Cisco				1915-1916 1923-1935										
C-9-35	Utah	4,088	24,100	15	1923-1935	62,200	640	8,147.9	8,513,000	2,220,050	5,888,500	4.6	92.9		
C-10-35	Colorado River at Lee's Ferry, Ariz	3,106	107,900	15	1921-1935	119,000	1,000	18,341.8	20,470,000	4,377,000	13,255,600	2.3			

COLORADO RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Colorado River (Continued)												
	Arapaho, 2 miles below Monarch Lake	8,350*	59	1x	1935.	928	20	74.3x	53,730	53,730	53,730x	17.1	
C12-35	Willow Creek near Granby	8,150*	105	1x	1935.	535	10	55.2x	38,452	38,452	38,452x	6.8	
C13-35	Fraser River above West portal	9,150*	22.1	1	1935.	281	3	31.4	23,238	22,095	22,667	19.2	
C14-35	Fraser River near West Portal	8,860*	28	25	1911-1935	622	3	44.4	44,188	20,641	32,111	21.5	101.0
C15-35	Vasquez Creek near St. Louis Creek	8,760*	27.8	1	1935.	295	4	27.5	20,643	19,072	19,858	13.4	
C16-35	near Fraser Ranch Creek	8,980*	32.8	1	1935.	279	4	34.6	25,881	24,114	24,997	14.3	
C17-35	near Fraser Ranch Creek	8,700*	20	1	1935.	248	1	23.4	17,245	16,529	16,887	15.8	
C18-35	near Tabernash Williams Fork below	8,350*	50.7	1	1935.	382	4	38.9	28,231	28,027	28,129	10.4	
C19-35	Steelman Creek	9,850*	16.3	3	1933-1935	270	2	19.7	18,641	9,063	14,230	16.4	
C20-35	Williams Fork near Lead	8,790*	84	3	1933-1935	1,030	15	89.4	73,640	52,460	64,610	14.4	
C21-35	Williams Fork near Marshall	7,800	184	23	1905-1924 1933-1935	2,600	10	167.7	169,400	61,310	121,200	12.4	102.2

THE STATE OF NEW YORK
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JANUARY 1, 1901.

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DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or More.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	Sheet No. 3
Colorado River (Continued)														
C29-35	at Dillon	8,815	129	25	1911-1935	1,200	17	124.0	134,600	54,290	89,590	13.0	97.8	
Snake River														
C30-35	at Dillon	8,815	92	15	1930-1935	1,170	5	72.5	92,310	25,600	52,378	10.7	92.6	
Ten Mile Creek														
C31-35	at Dillon	8,815	113	15	1930-1935	1,530	2	131.5	139,050	55,250	95,070	15.8	93.0	
Eagle River														
C32-25	at Red Cliff	8,598	74	15	1911-1925	900	1	68.2	65,355	33,711	49,300	12.5	106.4	
Eagle River														
C33-24	at Eagle, Colo.	6,588	630	14	1911-1924	6,610	60	669.7	633,890	349,060	484,000	14.4	107.2	
Roaring Fork														
C34-35	at Aspen	7,850	109	15	1932-1935	2,310	15	170.3	164,600	64,624E	123,060	21.2	101.3	
Roaring Fork														
at Glenwood														
C35-35	at Springs	5,720	1,460	29	1911-1935	17,300	212	1,558.0	1,847,200	499,060	1,126,000	14.5	102.9	
Frying Pan														
C36-20	at Thomasville	7,968	190	10	1911-1920	2,500	16	268.4	238,590	133,890	194,000	19.1	109.4	
Crystal River														
C37-35	at Redstone	6,500*	197	1x	1935,	2,520	110	298.3x	215,600	215,600	215,600x	20.5		
West Divide Creek														
Willow Creek														
C38-35	near Raven	8,750*	12	1x	1935,	154	0	7.4x	5,320	5,320	5,320x	8.3		
Roan Creek														
C39-35	near Highmore	6,250*	79	1x	1935,	112	0.4	6.5x	4,710	4,710	4,710x	1.1		
Carr Creek														
C40-35	near Highmore	7,500*	17	1x	1935,	122	1	7.6x	5,520	5,520	5,520x	6.1		

COLORADO RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	Sheet No. 4
Colorado River (continued)																
C41-35	Plateau Creek near Collibran		88	14	1922-1935	2,000		3	106.7	119,650	23,882E		77,114	16.4	93.3	
C44-35	Buzzard Creek near Collibran		139	14	1922-1935	1,090		0	58.4	66,577	18,237E		42,170	5.7	93.5	
C45-28	Gunnison River		7,673	1,010	18	1911-1928	11,400	126	888.3	848,300	417,630		642,000	11.9	108.1	
	Gunnison River					1905-1909			x							
C46-17	at River Portal		6,600*	4,140	11x	1911-1917	14,659	200	2,075.7	1,831,500	880,400		1,500,130 x	6.8		
	Gunnison River near Grand					1897-1899										
						1902-1906										
						1917-1920										
C47-35	Junction		4,573	8,020	24	1934-1935	35,200	106	2,948.0	3,072,100	630,140		2,150,530	5.0	98.6	
	East River at					1905,										
						1911-1913										
						1916-1920										
C48-35	Almont		8,031	295	10	1935,	5,000	19	411.6	395,500	210,100		297,450	18.9	112.1	
C49-35	at Almont		8,031	440	25	1911-1935	3,600	50	377.4	390,880	117,320		272,730	11.6	101.5	
	Lake Fork at					1918-1924										
						1929,										
C50-35	Lake City		8,750	123	12	1922-1935	1,560	10	121.9	127,574	46,210		88,097	13.4	99.7	
	Henson Creek at					1918-1919										
						1929-1930										
C51-35	Lake City		8,750	82	8	1932-1935	1,350	10	110.8	117,977	46,184		80,109	18.3		
	North Fork															
	Gunnison River															
C52-35	near Somerset		6,400*	521	2x	1934-1935	2,820	28	277.8 x	291,050	110,400		200,730 x	7.2		

COLORADO RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION 12000303

Stations Current or having Record of Ten Years or more.

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	Sheet No. 5
Colorado River															
Gunnison River (Continued)															
North Fork															
Gunnison River															
C53-32	near Paonia	5,634	702	10	1932,	1922-1930	5,630	2	586.5	604,670	293,430	423,870	11.3	108.1	
East Muddy Creek															
near Ragged Mountain															
C54-35		9,000*	80	1x	1935,		518	4	36.4x	27,720	27,720	27,720x	6.5		
East Muddy Creek															
near Bardine															
C55-35		7,000*	136	1x	1935,		544	11	49.1x	35,510	35,510	35,510x	4.9		
Loroux Creek															
near Lazear															
C57-26		6,900	52	10	1917-1926		1,300	0.3	58.5	65,400	26,200	42,300	15.3	108.8	
Surface Creek															
at Cedaredge															
C58-35		7,000	43	19	1917-1935		640	0	30.8	43,509	8,169x	22,266	9.7	97.7	
Uncompahgre River at Ouray															
C59-24		7,710	44	14	1911-1924		930	0	89.5	80,900	47,400	64,700	27.6		
Uncompahgre River near below Ouray															
C60-29		7,710	76	17	1913-1929	1905-1905	1,880	10	162.3	151,000	94,600	118,000	29.1	104.6	
Uncompahgre River near Colona															
C61-35		6,400	437	30	1910-1935	1903-1909	4,080	16	287.5	321,000	102,310	207,800	9.3	99.8	
Uncompahgre River at Montrose															
C62-23		5,820	565	20	1911-1923	1903-1913	3,060	0	207.6	267,490	65,199	150,000	5.0	109.3	
Uncompahgre River at Delta															
C63-31		4,970	1,110	28	1915-1931	1918-1921	2,530	0	224.9	278,120	33,868	162,522	2.7	104.0	
Kahmah Creek near Whitewater															
C64-35		6,000*	55	17	1923-1935		1,390	1	41.9	54,905	9,423x	30,259	10.3	96.6	

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COLORADO RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	Sheet No. 6
	Colorado River (Continued)													
	Dolores				1895-1903									
	River at				1911-1912									
C65-35	Dolores	6,954	508	25	1922-1935	6,950	23	446.6	533,290	101,930	322,770	11.9	92.7	
	San Miguel													
	River at													
C65-29	Naturita	5,500	1,090	12	1918-1929	4,180	38	404.0	417,000	213,180	292,000	5.0	114.3	

NOTE: The stations are arranged in downstream order and the tributaries are indicated by indentation.

Records obtained from State Engineer's Office.

E - Estimated in part. Where record is lacking for few winter months, average flow used.

* Approximate.

x - No record during winter months. Maximum and Minimum 24-hour discharge shown for record period only. Mean second feet and annual acre-feet discharges calculated as though record covered full years.

WATER RESOURCES SURVEY
August, 1937.

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE
FOR THE YEAR 1881

Presented to the HOUSE OF COMMONS BY COMMAND OF PARLIAMENT

1882

Printed by
H. K. BULLOCK, STATIONER,
15, ABchurch Lane, E.C. 4.

By Appointment to His Majesty, Surveyor-General of the Crown Lands.

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GREEN RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having record of Ten Years or more.

S T A T I O N			R E C O R D				Sheet No. 1									
No.	Name	Elev. Ft.	Drainage Area Sq. Miles	Length (Yrs.)	Period From	To	Ave. 24-hr. Discharge		Mean Second Feet	Annual Discharge		Mean	Runoff		Equivalent in 1900-1935	Mean
							Max.	Min.		Max.	Min.		12	13		
1	Green River near															
G-1-35	Linwood, Utah	5,850	14,300	7	1929-1935	12,700	200	1,504.7	1,692,500	395,500	1,087,420	1.4				
	Yampa River at				1904-1906											
G-2-35	Steamboat Springs	6,680	604	29	1910-1935	5,870	4	498.4	530,000	126,836	360,160	11.2	100.4			
	Yampa River				1901-1902											
	at				1904-1906											
G-3-16	Craig	6,185	1,730	12	1910-1916	10,285	50	1,293.8	1,320,600	746,400	935,000	10.1	95.3			
	Yampa River				1904-1905											
	near				1910-1912											
G-4-35	Maybell	5,900	3,410	25	1916-1935	17,300	2	1,713.6	2,027,100	375,130	1,238,430	6.8	102.1			
	Elk River				1910-1922											
G-6-35	near Clark	7,300	206	19	1930-1935	4,470	25	369.7	405,310	153,390.2	267,180	24.3	95.5			
	Elk River				1904-1906											
G-7-27	near Trull	6,650	415	21	1910-1927	5,350	40	589.5	640,130	305,520	426,000	19.2	103.6			
	Clickhead Creek				1906,											
G-8-18	near Craig	6,200	249	10	1910-1918	1,755	0	119.3	142,196	53,817	86,200	6.5	99.4			
	Fortification				1906,											
G10-18	Creek at Craig	6,185	256	10	1910-1918	750	0	63.2	83,138	20,189	45,700	3.3	88.0			
	Williams Fork R.				1904-1906											
G11-27	at Hamilton	6,400	341	21	1910-1927	2,592	15	220.0	285,600	101,830	159,000	8.7	103.8			
	Little Fork of															
G12-22	Little Snake at	7,000	152	11	1912-1922	2,760	4	137.7	157,578	66,636	99,500	12.3	108.0			
	Gardners Bench															
	Little Snake R.															
G13-23	at Dixon, Wyo.	6,300	1,060	14	1910-1923	8,960	5	611.6	674,470	307,356	442,000	7.8	103.0			

THE HISTORY OF THE
CITY OF BOSTON

FROM THE FIRST SETTLEMENT TO THE PRESENT TIME

BY

JOSEPH NEASE

OF THE CITY OF BOSTON

IN TWO VOLUMES

VOLUME THE FIRST

BOSTON

1780

PRINTED BY

JOSEPH NEASE

AT THE SIGN OF THE

WINDMILL

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AND

AT THE SIGN OF THE

WINDMILL

GREEN RIVER BASIN IN COLORADO
DATA ON STREAM FLOW FROM GAGING STATION RECORDS

Stations Current or having Record of Ten Years or more.

Sheet No. 2
13 14

1	2	3	4	5	6	7	8	9	10	11	12	13	14
Green River													
Yampa River (Continued)													
1904,													
G14-35	Little Snake River near Lily	6,300	3,730	15	1922-1935	3,950	0	676.9	878,310	72,159	489,160	2.5	95.1
1912-1920													
G16-22	Glacier Fork of Little Snake at Bartons Ranch	7,000	80	10	1922,	895	0	82.9	87,050	39,865	59,900	14.0	
1910-1912													
G17-35	Little Snake near Glader, Wyo.	6,650	161	7x	1932-1935	1,700	0	73.0x	79,328	14,077.1	52,770x	6.1	72.8
1912-1923													
G18-23	Willow Creek at Ryans Ranch	8,000	5	12	1912-1923	134	1	10.9	10,301	4,481	7,850	29.4	
1912-1923													
G19-23	Four Mile Creek at Ranger Sta.	7,800	4	12	1912-1923	123	0	6.7	10,277	2,732	4,850	22.7	
1901-1906													
G21-25	White River near Meeker	6,182	762	32	1910-1935	6,070	112	654.6	713,300	245,420	473,080	11.6	99.2
1906,													
G22-25	White River near Watson, Utah	5,000	4,020	14	1923-1935	8,160	53	810.0	1,258,000	280,760	585,420	2.7	102.9
1904-1906													
1910-1915													
G23-20	South Fork of White River at Buford	7,000	148	11	1919-1920	3,740	65	286.4	263,860	148,990	207,000	26.2	97.0

NOTE: The stations are arranged in downstream order
and the tributaries are indicated by indentation.

Records obtained from State Engineer's Office
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WATER RESOURCES SURVEY
August, 1937.

Vol. 11, Part 1, 1881

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EXPLANATION OF DATA

This section of gaging station data is a continuation of Part I to present information on the 285 discontinued stations of less than ten years record, called Group II Stations. It includes a table of stream-flow publications by the United States Geological Survey; an index table showing the locations of all Group I and Group II Stations; supplementary information to bring the 1935 run-off data up to date (1938); and detailed tables of pertinent stream-flow data, as in Part I, Pages 19-45.

New stations established since 1935 are marked with a # sign. If it is thought that they will be permanent stations, they have been considered in Group I and have been given fractional serial numbers to indicate their respective locations between Group I Stations. Thus, stations S-12 $\frac{1}{2}$, S-12 $\frac{3}{4}$ and S-12 $\frac{7}{8}$ are new stations, established since 1935, which are located between S-12 and S-13. Group II stations, re-established since 1935, are also indicated by the # sign. If it is thought that they will be permanent stations they are considered Group I and are shown by a heavy arrow on the index map, but if they are to be maintained for only a year or two they are continued as Group II stations and are indicated by a light arrow on the map. Their numbers, in either case, remain unchanged.

The numbering and arrangement of Group II stations in general conform to the plan described in "Explanation of Data" in Part I. Numbers start with one or more letters which denote the drainage basin, followed in turn by a serial number and the letter A, B, C etc. to indicate the location of the station relative to the nearest Group I station, thus, SP-8A, SP-3B and SP-8C are Group II stations between SP-8 and SP-9 on the South Platte River, while SP-18A and SP-18B are between SP-18 and SP-19 according to the plan of numbering stations on tributaries although they are not geographically between them. (See pages 51-52.)

The index of gaging stations, pages 48-73, arranged by major river basins and in downstream order includes all stations of both groups. Locations, as obtained from the latest available source, are given for each station by section, township and range with notes to facilitate exact locations on any map of reference. Many stations are included which have a very short record, and in some cases the quantities columns carry only the notations "Miscellaneous Discharges" or "Gage Heights". While many of these records are of little use for ordinary water studies, some of them may be needed for detailed studies in certain localities. For this reason all such records have been indicated and the source of such data shown.

As only a small percentage of the Group II stations have records long enough to be of importance for use in making extensions, the concurrency graphs at pages 113 to 115 have not been supplemented to show the period of record of Group II stations. With a few exceptions however, spaces were left at the proper places for stations whose records were three or more years in length.

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PUBLICATIONS BY THE UNITED STATES GEOLOGICAL SURVEY WHICH
CONTAIN RESULTS OF STREAM MEASUREMENTS MADE IN COLORADO.

1888	Tenth Annual Report, Part 2.
1889	Eleventh Annual Report, Part 2.
1890	Twelfth Annual Report, Part 2.
1891	Thirteenth Annual Report, Part 3.
1892	Fourteenth Annual Report, Part 2.
1893	Bulletin No. 131.
1894	Bulletin No. 131 and Sixteenth Annual Report, Part 2.
1895	Bulletin No. 140 & Seventeenth Annual Report, Part 2.
1896	Water-Supply Paper No. 11; Eighteenth Annual Report, Part 4.
1897	Water-Supply Papers No. 15 & 16; Nineteenth Annual Report, Part 4.
1898	Water-Supply Papers No. 27 & 28; Twentieth Annual Report, Part 4.
1899	Water-Supply Papers No. 37 & 38; Twenty-first Annual Report, Part 4.

Table of Water-Supply Paper Numbers by Major River Basins.

	North Platte South Platte & Republican	Arkansas	Rio Grande Including The Closed Basin	San Juan Colorado & Green
1900	49; 50	50	50	50
1901	66; 75	66; 75	66; 75	66; 75
1902	84	84	84	85
1903	99	99	99	100
1904	130; 131	131	132	133
1905	172	173	174	175
1906	208	209	210	211
1907-08	246	247	248	249
1909	266	267	268	269
1910	286	287	288	289
1911	306	307	308	309
1912	326	327	328	329
1913	356	357	358	359
1914	386	387	388	389
1915	406	407	408	409
1916	436	437	438	439
1917	456	457	458	459
1918	476	477	478	479
1919-20	506	507	508	509
1921	526	527	528	529
1922	546	547	548	549
1923	566	567	568	569
1924	586	587	588	589
1925	606	607	608	609
1926	626	627	628	629
1927	646	647	648	649
1928	666	667	668	669
1929	686	687	688	689
1930	701	702	703	704
1931	716	717	718	719
1932	731	732	733	734
1933	746	747	748	749
1934	761	762	763	764
1935	786	787	788	789
1936	806	807	808	809
1937	826	827	828	829

Special Water Supply Papers.

#358 Water Resources of the Rio Grande Basin, 1888-1913.

#395 Colorado River and its Utilization.

#617 Upper Colorado River and its Utilization.

#618 The Green River and its Utilization.

INDEX OF ACTIVE AND DISCONTINUED GAGING STATIONS OF COLORADO
AND THEIR LOCATIONS BY SECTION, TOWNSHIP AND RANGE, WITH LOCATION NOTES

Stations are arranged in downstream order. All stations from the source to the mouth of the main stream are presented first, and the tributaries follow in regular order from source to mouth.

Stations with numerals only are either active or have records of ten years or more. Run-off data, to and including 1935, are to be found in "Data On Stream Gaging Stations of Colorado, February, 1938". Stations with numerals, followed by a letter, are discontinued stations whose records are found in this volume.

Note: Some of the stations in the discontinued list have been reestablished in 1936, 1937 or 1938. These are marked, and any new records available are found in the sheets showing run-off for 1936 and 1937.

The index includes all stream gaging stations in Colorado for which records have been found either in the State Engineer's Office or in various publications of the United States Department of the Interior, Geological Survey. Index also includes stations maintained by Denver Board of Water Commissioners.

The stream names as published by the U. S. Geological Survey are those as officially designated by the United States Geographic Board and if the station is described as near a town, the name of the town used must be the closest U. S. Government Post Office. The stream names used by the State Engineer conform with names on various State maps under which water decrees have been granted. Where differences have been found in the names they have been explained by foot notes.

NORTH PLATTE RIVER BASIN

Number	Name of Stream	Location
NP-1	Big Grizzly Creek, near Walden (Hebron)	½ mile above Little Grizzly Creek.
NP-2	North Platte River, near Walden (Hebron)	2 miles below Roaring Fork.
NP-2A	North Platte River near Cowdrey	2 miles NW of Cowdrey.
NP-3	North Platte River, near Northgate	6 miles south of Wyoming line.
NP-3A	North Platte River, near Pinkhampton	Hunter's Ranch 3 miles NW of Pinkhampton.
NP-3½	North Platte River at Saratoga, Wyoming	At Saratoga.
NP-4	Little Grizzly Creek, near Hebron	1 mile above mouth.
NP-5	Roaring Fork near Walden (Hebron)	10 miles SW of Walden.
NP-5A	North Fork of North Platte at Higho	At footbridge at Higho P. O.
NP-5B	North Fork of North Platte near Walden	½ mile above mouth.
NP-7	Michigan River near Lindland	1 mile above North Fork.
NP-7½	Michigan River at Haworth School	½ mile east of Haworth School.
NP-8	Michigan River near Walden	½ mile north of Walden.
NP-8A	Michigan River near Cowdrey	At bridge, 1½ miles NW of Cowdrey.
NP-8½	Owl Creek near Linland	At site of former Owl Post Office.
NP-9	Illinois Creek near Rand	2 miles above Willow Creek.
NP-10	Illinois Creek near Walden	½ mile SW of Walden.
NP-11	Willow Creek near Rand	2.6 miles NW of Rand.
NP-11A	Canadian River near Cowdrey	At highway bridge, ½ mile east of Cowdrey.
NP-12	Big Creek at Big Creek, Wyoming	At Big Creek ranger station.
NP-13	Encampment Creek near Encampment, Wyoming	Lower end snelter grounds, Encampment.
NP-13A	Laramie River below Laramie-Poudre Tunnel	½ mile below tunnel 1 mile below West Branch.
NP-14	Laramie River near Glendevey	1½ miles north of Glendevey P. O.
NP-15	Laramie River near Jelm, Wyoming	½ mile north of Colorado Line.
NP-15A	West Branch Laramie River at mouth	Short distance above mouth.
NP-15B	Rawah Creek at mouth	Short distance above mouth.
NP-15C	Nunn Creek at mouth	Short distance above mouth.

- Station established or reestablished since 1935.

THE NORTH BRITISH

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NORTH FLATTE RIVER BASIN

Number	Name of Stream	Location.
	<u>North Platte River (Continued)</u>	
	<u>Laramie River (Continued)</u>	
NP-15D	Stub Creek at mouth	Sec.25,T10N,R76W
NP-15E	McIntyre Creek at Glendevay	Sec.28,T10N,R76W
NP-15F	McIntyre Creek at Glendevay	Sec.31,T11N,R76W
NP-15G	Jimmy Creek at mouth	Sec.20,T11N,R76W
NP-15H	La Garde Creek 2 miles above mouth	Sec.30,T11N,R76W
NP-15I	La Garde Creek at mouth	Sec.17,T11N,R76W
NP-15J	Forrester Creek at mouth	Sec.7,T11N,R76W
NP-15K	Grace Creek at mouth	Sec.35,T12N,R77W
NP-15L	Stuck Creek at mouth	Sec.27,T12N,R77W

Short distance above mouth.
7 miles above the mouth.
Short distance above mouth.
Short distance above mouth.
2 miles above mouth.
Short distance above mouth.
Short distance above mouth.
Short distance above mouth.
Short distance above mouth.
Short distance above mouth.

SOUTH FLATTE RIVER BASIN

SP-0A	So. Fk. of So. Platte above Tumbling Cr. #1	Sec.27,T11S,R78W	One mile below Rich Creek.
SP-0B	So. Fk. of So. Platte at Main Road #1	Sec.19,T11S,R77W	$\frac{1}{2}$ mile above Twelvemile Creek.
SP-1	So. Fk. of So. Platte at Twin Bridges DWB	Sec.26,T11S,R77W	At bridge on Fairplay-Antero Jct.Highway.
SP-1A	So. Fk. of So. Platte at Twin Bridges	Sec.26,T11S,R77W	On Buena Vista road 5 mi. NW Antero Res.
SP-1B	So. Fk. of So. Platte, Antero Res. Intake	Sec.13,T12S,R77W	1 mile above Antero Reservoir.
SP-2	So. Fk. of So. Platte below Antero Res. DWB	Sec.21,T12S,R76W	200 yds below outlet.
SP-2A	So. Fk. of So. Platte, Antero Res. Outlet	Sec.22,T12S,R76W	200 yds below outlet.
SP-2B	So. Fk. of So. Platte above Fourmile	Sec.7,T12S,R75W	300 feet upstream from mouth.
SP-2C	So. Platte River at Buckleys #2	Sec.13,T12S,R75W	1 mile below Middle Fork.
SP-2D	So. Platte River at Spinney #2	Sec.30,T12S,R73W	300 feet southwest of Spinney Ranch House.
SP-3	So. Platte River above 11 mile Res. DWB	Sec.32,T12S,R73W	1 $\frac{1}{2}$ miles above highwater line.
SP-3A	So. Platte River at Idlewild #2	Sec.19,T13S,R72W	Above Idlewild Sta. (site now in Reservoir).
SP-4	So. Platte River near Lake George #2	Sec.21,T13S,R72W	1 mile below Eleven-Mile Canon Dam.

#1 - In State Engineer's records as "Little South Platte".

#2 - In State Engineer's records as "South Fork of South Platte".

D/B - Denver Water Board.

SOUTH FLATTE RIVER BASIN

Number	Name of Stream	Location
SP-5	South Platte River above Lake Cheesman #2	Sec. 22, T10S, R71W
SP-6	South Platte River below Lake Cheesman #2	Sec. 6, T10S, R70W
SP-7	South Platte above No. Fk. at So. Platte #2	Sec. 25, T 7S, R70W
SP-8	South Platte River at South Platte	Sec. 25, T 7S, R70W
SP-8A	South Platte River at Deansbury	Sec. 20, T 7S, R69W
SP-8B	South Platte River below Intake	Sec. 33, T 6S, R69W
SP-8C	South Platte River at Platte Canon	Sec. 33, T 6S, R69W
SP-9	South Platte River Waterton	Sec. 34, T 6S, R69W
SP-10	South Platte River at Denver	Sec. 28, T 3S, R68W
SP-11	South Platte River at Henderson	Sec. 34, T 1S, R67W
SP-12	South Platte River near Ft. Lupton	Sec. 6, T 1N, R66W
SP-12A	South Platte River at Platteville	Sec. 19, T 3N, R66W
SP-13	South Platte River near Kersey	Sec. 9, T 5N, R64W
SP-14	South Platte River at Sublette	Sec. 14, T 4N, R61W
SP-14A	South Platte River near Orchard	Sec. 8, T 4N, R60W
SP-15	South Platte River at Balzac	Sec. 13, T 5N, R55W
SP-15A	South Platte River at Ovid	Sec. 8, T11N, R45W
SP-16	South Platte River at Julesburg	Sec. 33, T12N, R44W
SP-16A	Twelvemile Creek at Redford's Ranch	Sec. 18, T11S, R77W
SP-16B	Buffalo Springs Branch at 63 Ranch	Sec. 2, T12S, R77W
SP-16C	Salt Creek near Hartsel	Sec. 31, T12S, R76W
SP-16D	Poney Creek at Hartsel	Sec. 25, T12S, R77W
SP-16E	Middle Fork of South Platte at Alma	Sec. 12, T 9S, R78W
SP-16F	Middle Fk. of South Platte at Fairplay	Sec. 33, T 9S, R77W
SP-17	Middle Fk. of So. Platte below Fairplay DWB	Sec. 24, T10S, R77W
SP-18	Middle Fk. of So. Platte near Hartsel DWB	Sec. 11, T12S, R75W

#2 - In State Engineer's records as "South Fork of South Platte".
DWB - Denver Water Board.

SOUTH PLATTE RIVER BASIN

Number	Name of Stream	Location
	<u>South Platte River (Continued)</u>	
SP-18A	Middle Fork of South Platte at mouth	Sec. 14, T12S, R75W
SP-18B	Beaver Creek above Fairplay	Sec. 34, T 9S, R77W
SP-19	Fourmile Creek at Nelson's Ranch DWB	Sec. 12, T11S, R77W
SP-20	Fourmile Creek at mouth DWB	Sec. 7, T12S, R75W
SP-21	Tarryall Creek above Como DWB	Sec. 20, T 8S, R76W
SP-21A	Tarryall Creek near Como USGS	Sec. 26, T 8S, R76W
SP-21B	Tarryall Creek near Jefferson	Sec. 6, T 9S, R74W
SP-22	Tarryall Creek below Rock Creek DWB	Sec. 8, T 9S, R74W
SP-22A	Tarryall Creek near Haymen USGS -	Sec. 22, T11S, R72W
SP-23	Tarryall Creek at mouth near Lake George.	Sec. 22, T11S, R72W
SP-24	Michigan Creek above Jefferson DWB	Sec. 34, T 7S, R76W
SP-24A	Michigan Creek near Jefferson USGS	Sec. 13, T 8S, R76W
SP-25	Jefferson Creek above Jefferson DWB	Sec. 24, T 7S, R76W
SP-25A	Jefferson Creek at Jefferson USGS	Sec. 8, T 8S, R75W
SP-25B	Rock Creek near Jefferson USGS	Sec. 5, T 9S, R74W
SP-26	Goose Creek at Lake Cheesman	Sec. 3, T10S, R71W
SP-26A	North Fork of South Platte at Grant	Sec. 9, T 7S, R74W
SP-26B	North Fork of South Platte at Cassells	Sec. 11, T 7S, R74W
SP-27	North Fork of South Platte at South Platte	Sec. 25, T 7S, R70W
SP-27A	Geneva Creek above Jackwhacker Cr. USGS	Sec. 33, T 5S, R75W
SP-27B	Geneva Creek at old Geneva Smelter	Sec. 3, T 6S, R75W
SP-27C	Geneva Creek at Sullivan's Ranch	Sec. 32, T 6S, R74W
SP-28	Geneva Creek at Grant	Sec. 9, T 7S, R74W
		<p>$\frac{1}{2}$ mile above mouth.</p> <p>At bridge, 300 yards NE of Fairplay.</p> <p>Near north section-line.</p> <p>At highway bridge, just above mouth.</p> <p>At highway bridge, 2 miles NW of Como.</p> <p>At highway bridge, $1\frac{1}{2}$ miles NE of Como.</p> <p>$\frac{1}{2}$ mile above Rock Creek.</p> <p>At Mill Ditch, 1 mile below Rock Creek.</p> <p>At McLaughlin's Ranch, $\frac{1}{2}$ mile above house.</p> <p>At McLaughlin's Ranch, 8 miles NW of Lake George.</p> <p>At Milligan Ditch.</p> <p>$3\frac{1}{2}$ miles above mouth of Jefferson Creek.</p> <p>4 miles above Jefferson.</p> <p>$1\frac{1}{2}$ miles above Snyder Creek.</p> <p>Robbins Ranch 10 miles SE of Jefferson.</p> <p>1 mile above high water line at lake.</p> <p>250 feet above mouth of Geneva Creek.</p> <p>At Cassells, 2 miles below Geneva Creek.</p> <p>$1\frac{1}{3}$ mile above South Platte.</p> <p>100 feet above mouth of Jackwhacker Creek.</p> <p>$\frac{1}{2}$ mile below Smelter Creek.</p> <p>50 feet below mouth Treemile Creek.</p> <p>At highway bridge, 300 feet above mouth.</p>

DWB - Denver Water Board.

USGS - United States Geological Survey.

SOUTH PLATTE RIVER BASIN

Number	Name of Stream	Location
	<u>South Platte River (Continued)</u>	
	<u>North Fork So. Platte (Continued)</u>	
	<u>Geneva Creek (Continued)</u>	
SP-28A	Smelter Creek near Grant	Sec. 3, T 6S, R75W
SP-28B	Duck Lake Creek near Grant	Sec. 13, T 6S, R75W
SP-28C	Scott Gomer Creek near Grant	Sec. 19, T 6S, R74W
SP-29	Bear Creek at Starbuck & Morrison	Sec. 35, T 4S, R70W
SP-30	Bear Creek near Morrison	Sec. 35, T 4S, R70W
SP-31	Bear Creek at mouth	Sec. 5, T 5S, R68W
SP-31A	Clear Creek at Idaho Springs	Sec. 36, T 3S, R73W
SP-32	Clear Creek at Forks Creek	Sec. 36, T 3S, R72W
SP-32A	Clear Creek 7 miles above Golden	Sec. 36, T 3S, R72W
SP-33	Clear Creek near Golden	Sec. 32, T 3S, R70W
SP-34	Clear Creek near mouth	Sec. 36, T 2S, R68W
SP-34A	West Fork Clear Creek near Empire	Sec. 27, T 3S, R71W
SP-35	Fall River near Idaho Springs	Sec. 28, T 3S, R73W
SP-35A	North St. Vrain near Allens Park	Sec. 14, T 3N, R73W
SP-35B	North St. Vrain near Billing's Ranch	Sec. 20, T 3N, R71W
SP-36	North St. Vrain at Longmont Dam	Sec. 16, T 3N, R71W
SP-36A	North St. Vrain near Lyons	Sec. 18, T 3N, R70W
SP-37	St. Vrain Creek at Lyons	Sec. 17, T 3N, R70W
SP-38	St. Vrain Creek at mouth	Sec. 4, T 3N, R67W
SP-38A	So. St. Vrain Creek near Ward	Sec. 36, T 2N, R73W
SP-38B	So. St. Vrain Creek near Lyons	Sec. 25, T 3N, R71W
SP-38C	Middle St. Vrain near Allens Park	Sec. 3, T 2N, R72W

USGS - United States Geological Survey.

SOUTH FLATTE RIVER BASIN

Number	Name of Stream		Location
	South Platte River (Continued)		
	<u>St. Vrain Creek (Continued)</u>		
SP-38D	Lefthand Creek, near Boulder	Sec. 26, T 2N, R71W	1.8 mile west of Boulder-Lyons Highway bridge.
SP-39	Lefthand Creek at mouth	Sec. 10, T 2N, R69W	3/4 mile above the mouth
SP-40	Boulder Creek near Orodell	Sec. 34, T 1N, R71W	1 mile above Fourmile Creek.
SP-41	Boulder Creek near Boulder	Sec. 35, T 1N, R71W	1 1/4 miles below Fourmile Creek.
SP-42	Boulder Creek at mouth	Sec. 16, T 2N, R68W	1 1/2 miles above mouth.
SP-43	No. Boulder Creek at Silver Lake	Sec. 28, T 1N, R73W	At outlet of Silver Lake.
SP-43A	No. Boulder Creek near Nederland	Sec. 1, T 1S, R73W	100 yds above highway bridge.
SP-43B	Middle Boulder Creek above Cardinal Cr.	Sec. 13, T 1S, R73W	1/4 mile above mouth of Cardinal Creek.
SP-45	Middle Boulder Creek at Nederland	Sec. 13, T 1S, R73W	At inlet of Barker Meadows Res. Includes N. Beaver.
SP-46	Middle Boulder outlet Barker Meadows	Sec. 17, T 1S, R72W	At outlet of Barker Meadows Reservoir.
SP-46A	Fourmile Creek at mouth	Sec. 27, T 1N, R71W	1/2 mile above junction with Boulder Creek.
SP-46B	So. Boulder Creek at Rollinsville	Sec. 35, T 1S, R73W	1 mile west of Rollinsville.
SP-47	So. Boulder Creek at Eldorado Springs	Sec. 26, T 1S, R71W	1 1/4 miles west of Eldorado Springs.
SP-48	Big Thompson River near Estes Park	Sec. 29, T 5N, R71W	1 1/2 miles east of Estes Park.
SP-49	Big Thompson River below power house (Drake)	Sec. 7, T 5N, R70W	1/8 mile above Cedar Creek.
SP-50	Big Thompson River at canon mouth	Sec. 4, T 5N, R70W	Highway bridge, 1 mile above Handy Dam.
SP-51	Big Thompson River near Arkins	Sec. 2, T 5N, R70W	400 feet below Handy Dam.
SP-52	Big Thompson River at mouth	Sec. 34, T 5N, R66W	1 mile above mouth.
SP-52A	Little Thompson River near Berthoud	Sec. 2, T 3N, R70W	At Lykin's ranch.
SP-52B	Cache la Poudre above Chambers Lake outlet #1	Sec. 28, T 8N, R75W	3 1/2 miles above Laramie-Poudre Tunnel.
SP-52C	Cache la Poudre near Elkhorn	Sec. 33, T 9N, R73W	1 mile below Sheep Gulch.
SP-52D	Cache la Poudre near Log Cabin	Sec. 33, T 9N, R73W	1/2 mile east of Rustic.
SP-52E	Cache la Poudre, Ft. Collins Water Works	Sec. 33, T 9N, R70W	Above North Fk., below water works intake.
SP-53	Cache la Poudre at canon mouth	Sec. 15, T 8N, R70W	3 miles below water works intake.

- Station established or reestablished since 1935.

#1 - See Big South Cache la Poudre near Home for State Engineers record.

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SOUTH FLATTE RIVER BASIN

Number	Name of Stream	Location
	<u>South Platte River (Continued)</u>	
SP-54	Cache la Poudre near mouth	Sec. 2, T 5N, R65W Below bridge, 2½ miles above mouth.
SP-54A	So. Fk. Cache la Poudre near Eggers #2	Sec. 36, T 8N, R73W Just above mouth Little Beaver Creek.
SP-54B	No. Fk. Cache la Poudre at Livermore	Sec. 32, T10N, R70W At highway bridge Livermore.
SP-54C	Lodgepole Creek at Ovid	Sec. 8, T11N, R45W At highway bridge in Ovid.
SP-54D	Lodgepole Creek at mouth	Sec. 8, T11N, R45W At highway bridge in Ovid.
*2 - See Little South Cache la Poudre near Eggers in State Engineer's record.		

REPUBLICAN RIVER BASIN

REP-1	Republican River at Max, Nebraska	Sec. 32, T 2N, R36W 3/4 mile south of Max.
# REP-1½	North Fork Republican River near Wray	Sec. 9, T 1N, R44W 2½ miles west of Wray. At Dansite.
REP-2	North Fork Republican R., Colo.-Neb., St. L. *	Sec. 10, T 1N, R42W 100 feet east of Colo.-Neb., State Line.
REP-3	Arikaree River at Haigler, Nebraska	Sec. 28, T 1N, R41W ½ mile west of Haigler.
REP-4	Frenchman Creek near Champion, Nebraska	Sec. 19, T 6N, R39W 2½ miles west of Champion.

* - Prior to 1933, published in Water Supply Papers as "North Fork of Arikaree River".

- Station established or reestablished since 1935.

1. The first part of the report is devoted to a general description of the area.

2. The second part of the report is devoted to a description of the results of the investigation.

3. The third part of the report is devoted to a description of the results of the investigation.

4. The fourth part of the report is devoted to a description of the results of the investigation.

5. The fifth part of the report is devoted to a description of the results of the investigation.

6. The sixth part of the report is devoted to a description of the results of the investigation.

7. The seventh part of the report is devoted to a description of the results of the investigation.

8. The eighth part of the report is devoted to a description of the results of the investigation.

9. The ninth part of the report is devoted to a description of the results of the investigation.

10. The tenth part of the report is devoted to a description of the results of the investigation.

11. The eleventh part of the report is devoted to a description of the results of the investigation.

12. The twelfth part of the report is devoted to a description of the results of the investigation.

13. The thirteenth part of the report is devoted to a description of the results of the investigation.

ARKANSAS RIVER BASIN

Number	Name of Stream	Location
A-1	Arkansas River, East Fork at Leadville	Sec. 16, T 9S, R30W 300 yards above Tennessee Fork.
A-2	Arkansas River at Granite	Sec. 31, T11S, R79W Above Cache Creek, below Lake Creek.
A-3	Arkansas River at Salida	Sec. 32, T50N, R 9E At City Park, 1½ miles above South Fork.
A-4	Arkansas River at Canon City	Sec. 32, T18S, R70W Above mouth of Sand Creek.
A-4A	Arkansas River near Rock Canon	Sec. 34, T20S, R66W 9 miles above Pueblo.
A-5	Arkansas River at Pueblo	Sec. 34, T20S, R65W At South Side water works intake, 1 mi. W. of town.
A-5A	Arkansas River at Boone	Sec. 5, T21S, R61W At Rocky Ford High-Line Canal dam.
A-6	Arkansas River near Nepeseta	Sec. 31, T21S, R60W 1½ mile west of Nepeseta.
A-6A	Arkansas River near Manzanola	Sec. 13, T22S, R59W 1 mile northeast of Manzanola.
A-6B	Arkansas River near Rocky Ford	Sec. 5, T23S, R56W 4½ mile NE of Rocky Ford station.
A-7	Arkansas River at La Junta	Sec. 2, T24S, R55W At east bridge in La Junta.
A-7A	Arkansas River at Las Animas	Sec. 4, T23S, R52W ½ mile north of Las Animas.
A-7B	Arkansas River at Ft. Lyon	Sec. 9, T23S, R51W 2 miles below mouth of Purgatoire River.
#A-7½	Arkansas River at Caddoa	½ mile north of Caddoa, below bridge.
A-7C	Arkansas River near Prowers	Sec. 7, T23S, R49W 1 mile east of Martin, 5 miles west of Prowers.
A-7D	Arkansas River at Prowers	Sec. 1, T23S, R49W 1 mile north of Prowers.
A-7E	Arkansas River near Amity Canal Head Gates	Sec. 35, T23S, R48W 1 mile northeast of Prowers.
A-8	Arkansas River at Lamar	Sec. 36, T22S, R48W At Highway bridge, 1 mile north of Lamar.
A-8A	Arkansas River near Granada	Sec. 30, T22S, R46W 3/4 mile below head gate Buffalo Canal.
A-9	Arkansas River at Holly	Sec. 5, T23S, R43W 1½ mile below Twin Buttes Creek.
A-10	Tennessee Fork, at Leadville	Sec. 14, T23S, R42W 1½ mile below Twin Buttes Creek.
A-10A	Lake Fork near Arkansas Junction	Sec. 16, T 9S, R30W Just above mouth, ½ mi. above East Fork.
A-10B	Half Moon Creek near Leadville	Sec. 19, T 9S, R30W About 5 miles from Leadville.
A-10C	Lake Creek Inter Lachen	Sec. 6, T10S, R30W 1 mile above mouth.
A-10D	Twin Lakes outlet near Twin Lakes	Sec. 17, T11S, R30W At head of channel between lakes,
A-10E	Lake Creek below Twin Lakes	Sec. 23, T11S, R30W ½ mile below outlet of Twin Lakes.
		Sec. 23, T11S, R30W Just below outlet at Twin Lakes.

- Station established or reestablished since 1935.

ARKANSAS RIVER BASIN

Number	Name of Stream	Location
	<u>Arkansas River (Continued)</u>	
A-10F	Clear Creek at Granite	Sec. 4, T12S, R79W
A-10G	Cottonwood Creek near Buena Vista	Sec. 21, T14S, R79W
A-10H	Cottonwood Creek above Hot Springs	Sec. 21, T14S, R79W
A-11	Cottonwood Creek below Hot Springs	Sec. 22, T14S, R79W
A-11A	So. Fk. Cottonwood Creek nr. Buena Vista	Sec. 29, T14S, R79W
A-11B	Middle Fk. Cottonwood Cr. nr. Buena Vista	Sec. 20, T14S, R80W
A-11C	North Fk. Cottonwood Cr. nr. Buena Vista	Sec. 10, T14S, R79W
A-11D	Chalk Creek(Upper Sta.) at St. Elmo	Sec. 27, T15S, R80W
A-11E	Chalk Creek(Lower Sta.) near St. Elmo	Sec. 28, T15S, R79W
A-11F	Chalk Creek near Buena Vista	Sec. 19, T15S, R78W
A-11G	So. Fk. Arkansas R. at Poncha Springs	Sec. 10, T49N, R 8E
A-12	So. Fk. Arkansas R. near Salida	Sec. 5, T49N, R 9E
A-12A	Poncha Creek at Poncha Springs	Sec. 10, T49N, R 8E
A-12B	Texas Creek at mouth	Sec. 7, T19S, R73W
A-13	Grape Creek near Westcliffe	Sec. 36, T21S, R73W
A-13A	Grape Creek at mouth near Canon City	Sec. 6, T19S, R70W
A-13B	Oil or Fourmile Creek near Canon City	Sec. 35, T18S, R70W
A-14	West Beaver Creek near Victor	Sec. 30, T16S, R68W
A-15	Boehmer Creek near Pikes Peak	Sec. 32, T14S, R68W
A-16	Little Beaver near Pikes Peak	Sec. 32, T14S, R66W
A-17	Sackett Creek near Pikes Peak	Sec. 32, T14S, R66W
A-17A	Fountain River at Manitou	Sec. 5, T14S, R67W
A-17B	Fountain River at Colorado Springs	Sec. 19, T14S, R66W
		1/2 mile below reservoir outlet.
		Just below junction So. & Middle Forks.
		1 mile below Jct. So. & Middle Forks.
		1/2 mile below Hot Springs Hotel.
		1/2 mile above junction with Middle Fork.
		1/2 mile above junction with South Fork.
		1 1/2 miles below Silver Creek.
		1/2 mile above Coal Creek.
		Above small trib. entering from north Cascade Canon.
		11 miles SW of Buena Vista at New Heywood Hotel.
		1/2 mile above Poncha Creek.
		1 mile above mouth.
		1/2 mile above mouth.
		500 feet above mouth.
		3 miles NW of Westcliffe, 1 mi. above head of De Weese Reservoir.
		150 yards above junction Arkansas River.
		On highway bridge, 200 feet from D. & R.G.W.
		At Skagway station of So.Colo.Power Co.
		Above Little Beaver Creek.
		Just above mouth of creek.(NW 1/4, NW 1/4, sec.).
		Just above mouth of creek.
		In Manitou at Soda Spring.
		In Colo.Spgs, 100 ft. below Cheyenne Creek.

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ARKANSAS RIVER BASIN

Number	Name of Stream	Location
<u>Arkansas River (Continued)</u>		
A-17C	Fountain River at Pueblo	Sec. 30, T20S, R64W
A-18	Lion Creek near Halfway	Sec. 15, T14S, R68W
A-19	Sheep Creek near Halfway	Sec. 11, T14S, R68W
A-20	So. Ruxton Creek near Halfway	Sec. 11, T14S, R68W
A-21	Cabin Creek near Halfway	Sec. 11, T14S, R68W
A-22	Southerland Creek near Manitou	Sec. 9, T14S, R67W
A-23	Bear Creek near Colorado Springs	Sec. 21, T14S, R67W
A-24	St. Charles River at burnt mill	Sec. 17, T23S, R66W
A-24A	St. Charles River at mouth	Sec. 5, T21S, R63W
A-24B	Greenhorn Creek at Rye	Sec. 31, T24S, R67W
A-25	Huerfano River at Manzanares Crossing	Sec. 5, T27S, R71W
A-25A	Huerfano River at Malachite	Sec. 31, T26S, R70W
A-25B	Huerfano River at Badito	Sec. 5, T27S, R68W
A-25C	Huerfano River at Huerfano	Sec. 2, T26S, R66W
A-25D	Huerfano River near Undercliffe	Sec. 21, T23S, R66W
A-25E	Huerfano River at mouth	Sec. 18, T21S, R61W
A-25F	Cucharas River at Boyd Ranch nr. La Veta	Sec. 24, T30S, R69W
A-26	Cucharas River near La Veta	Sec. 5, T30S, R68W
A-26A	Cucharas River at Walsenburg	Sec. 9, T28S, R66W
A-26B	Apishapa River at Aguilas	Sec. 34, T30S, R65W
A-26C	Apishapa River at mouth	Sec. 24, T22S, R59W
A-26D	Timpas Creek at Catlin Syphon	Sec. 18, T24S, R56W
A-26E	Timpas Creek at mouth	Sec. 26, T23S, R56W
	Crooked Creek at mouth	Sec. 5, T24S, R55W

- Station established or reestablished since 1935.

ARKANSAS RIVER BASIN

Number	Name of Stream	Location
	Arkansas River (Continued)	
	Crooked Creek (Continued)	
A-26F	Catlin Canal waste at Timpas Cr.	sec.18, T24S, R56W
A-27	Purgatoire River at Trinidad	Sec.13, T33S, R64W
A-27A	Purgatoire River near Alfalfa	Sec. 9, T33S, R60W
A-28	Purgatoire River at Nine Mile Dam	Sec.32, T26S, R54W
A-28A	Purgatoire River at J. J. Ranch	Sec.24, T26S, R54W
A-28B	Purgatoire River near Higbee	Sec.27, T25S, R53W
A-29	Purgatoire River at Highland Dam	Sec. 1, T25S, R53W
A-30	Purgatoire River at mouth	Sec.23, T23S, R52W
A-30A	No. Fk. Purgatoire R. Trinidad Water Wks.	Sec.24, T32S, R69W
A-30B	Brown Creek at Trinidad Water Works	Sec.25, T32S, R69W
A-30C	Cherry Creek at Trinidad Water Works	Sec. 1, T33S, R69W
A-30D	Whiskey Creek at Trinidad Water Works	Sec. 1, T33S, R69W
A-30E	Middle Fk. Purgatoire River at Vigil	Sec.24, T33S, R68W
A-30F	South Fk. Purgatoire River at Weston	Sec.35, T33S, R67W
A-30G	Big Sandy Creek at Hugo	Sec.32, T10S, R54W
A-30H	Big Sandy Creek near Kit Carson	Sec. 8, T15S, R48W
A-30I	Big Spring Creek near Arena	Sec. 6, T15S, R47W
A-31	Wild Horse Creek at mouth	Sec.15, T23S, R42W
A-32	Holly Drain near Holly	Sec.16, T23S, R41W
		On Timpas Cr. at Catlin ditch crossing. In Trinidad at foot of State Street. At head of canyon. 700 feet above dam, 4 miles above Smith Canyon. 22 miles south of La Junta. About 9 miles below Higbee. 1/2 mile above Tarbox Arroyo. 2 miles southeast of Las Animas. 1/8 mile above water works. In NE 1/4 of SE 1/4 of Section 25. 1/2 mile west of the northeast corner of section. Near the center of section 1. 1/2 mile above mouth. 3/4 mile above mouth. 1/2 mile south of Hugo. 1 mile above mouth of Wild Horse Creek. 2 miles south of Arena, 2 miles above mouth. Enters below station of "Arkansas R. at Holly". Just below Cheyenne Cr. 100 yds. west of Colo.-Kans. State Line.

RIO GRANDE BASIN

Number	Name of Stream	Location
R-1	Rio Grande at 30-mile Bridge	Sec.13,T40N,R 4W
R-2	Rio Grande at Wason below Creede	Sec. 8,T41N,R 1E
R-3	Rio Grande near Del Norte	Sec.30,T40W,R 5E
R-4	Rio Grande near Monte Vista	Sec.24,T39N,R 7E
R-5	Rio Grande at Alamosa	Sec. 4,T37N,R10E
R-6	Rio Grande above Trinchera Creek	Sec.35,T36N,R1E
R-7	Rio Grande near Lobatos	Sec.22,T33N,R1E
R-8	Clear Creek below Continental Reservoir *	Sec.22,T42N,R 3W
R-8A	Clear Creek near Creede	Sec.32,T41N,R 2W
R-8B	Goose Creek near Wagon Wheel Gap	Sec.27,T40N,R 1E
R-9	So. Fk. of Rio Grande at South Fork	Sec. 4,T39N,R 3E
R-10	Pinos Creek near Del Norte	Sec.29,T39N,R 5E
R-11	Canero Creek near La Garita	Sec.26,T42N,R 6E
R-12	La Garita Creek near La Garita	Sec.10,T41N,R 6E
R-12A	San Francisco Creek near Del Norte	Sec.31,T39N,R 6E
R-12B	San Luis Creek near Villa Grove	Sec. 8,T46N,R10E
R-13	Kerber Creek near Villa Grove	Sec. 7,T46N,R 8d
R-13A	Kerber Creek below Villa Grove	Sec.12,T46N,R 9E
R-14	Saguache Creek near Saguache	Sec.11,T45N,R 6E
R-15	No. Crestone Creek near Crestone	Sec. 5,T43N,R12E
R-15A	So. Crestone Creek near Crestone	Sec.32,T 2N,R 1E
R-15B	Willow Creek near Crestone	Sec. 4,T 1N,R 1E
R-15C	Spanish Creek near Crestone	Sec. 9,T 1N,R 1E
R-15D	Cottonwood Creek near Crestone	Sec.28,T 1N,R 1E
R-15E	Deadman Creek near Crestone	Sec. 2,T 1S,R 1E
R-15F	Arena Creek near Crestone	Sec.31,T25S,R73W

* - In state engineer's record as North Clear Creek.

- Station established or reestablished since 1935.

RIO GRANDE BASIN

Number	Name of Stream		Location
	Rio Grande (Continued)		
R-15G	Alamosa River at Jasper	Sec. 30, T37N, R 5E	3/4 mile above Jasper on log bridge.
R-15H	Alamosa River near Monte Vista	Sec. 2, T36N, R 5E	28 mi. SW of Monte Vista just below French Cr.
R-16	Alamosa River above Terrace Reservoir	Sec. 8, T36N, R 6E	3 miles above Terrace Reservoir.
R-17	Alamosa River below Terrace Reservoir	Sec. 23, T36N, R 6E	1/2 mile below Terrace Reservoir.
R-18	Alamosa River near Capulin	Sec. 10, T35N, R 8E	Just above diversion of Union Ditch.
R-19	Rock Creek near Monte Vista	Sec. 36, T36N, R 6E	3 miles below North Pk., 9 miles SW Monte Vista.
R-19A	Rock Creek near Alamosa	Sec. 7, T37N, R10E	2 1/2 miles west of Alamosa, below Hickory ditch.
R-19 1/2	La Jara Creek at Gallegos Ranch	Sec. 32, T34N, R 7E	2 miles above old station "R20".
R-20	La Jara Creek near Capulin	Sec. 21, T34N, R 7E	Eleven miles southwest of Capulin.
R-20A	La Jara Creek near Sanford	Sec. 6, T35N, R10E	3 miles N. of Sanford 120' below Empire Canal.
R-20B	La Jara Creek at mouth	Sec. 17, T36N, R11E	1/2 mile below river road.
R-21	Trinchera Creek near Ft. Garland	Sec. 2, T31S, R71W	7 mi. SE Ft. Garland above Turners Ranch.
R-22	Trinchera Creek above Mt. Home Reservoir	Sec. 31, T30S, R71W	4 mi. SE Ft. Garland, just above Reservoir.
R-23	Trinchera Creek below Smith Reservoir	Sec. 5, T31S, R73W	1 mile below reservoir.
R-23A	Trinchera Creek at mouth	Sec. 25, T31S, R75W	1/3 mile above mouth.
R-24	Sangre de Cristo near Ft. Garland	Sec. 23, T30S, R72W	1 1/2 miles east of Ft. Garland.
R-25	Sangre de Cristo above Smith Reservoir	Sec. 35, T30S, R73W	3/4 mile above high water line Smith Reservoir.
R-25A	Ute Creek Upper station	Sec. 12, T29S, R72W	9 miles NE Ft. Garland, 150 yds below forks.
R-26	Ute Creek near Ft. Garland	Sec. 2, T30S, R72W	2 1/2 miles north of Ft. Garland.
R-26 1/2	Conejos River at Platoro	Sec. 22, T36N, R 4E	1/2 mile below Platoro.
R-27	Conejos River near Mogote	Sec. 34, T33N, R 7E	5 1/2 miles NW Mogote, 1 mile below Fox Creek.
R-28	Conejos River near mouth	Sec. 2, T35N, R11E	2 gages on 2 channels, 1/2 mile above mouth.
R-29	San Antonio River near Ortiz	Sec. 19, T32N, R 9E	1/2 mile south Ortiz, 1/2 mile above Los Pinos Cr.
R-30	San Antonio River at mouth	Sec. 21, T34N, R10E	1/2 mile above mouth.
R-31	Los Pinos Creek near Ortiz	Sec. 34, T32N, R 8E	3 miles southwest of Ortiz.

- Station established or reestablished since 1935.

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RIO GRANDE BASIN

Number	Name of Stream	Location
	Rio Grande (Continued)	
R-31A	Culebra River near Chama	Sec. 2, T 2N, R71W 3½ miles east of Chama.
R-32	Culebra River near San Luis	Sec. 35, T 3N, R72W 1 mile above concrete bridge in San Luis.
#R-32A	Culebra River at mouth	Sec. 36, T 3N, R75W 600 feet above mouth.
R-32B	San Francisco Cr. near San Luis	Sec. 30, T 2N, R71W 7½ miles south of San Luis.
#R-32C	Cosvilla Creek at mouth near Jarosa	Sec. 5, T 1S, R74W 1 mile above mouth on the Questa road.
R-33A	Chama River near Chama, N. Mex.	Sec. 25, T31N, R 3E 200 feet above mouth of Little Chama.

SAN JUAN RIVER BASIN

S-1	San Juan River near Pagosa Springs	Sec. 12, T36N, R 1W At bridge, 1/3 mile above West Fork.
S-2	San Juan River at Pagosa Springs	Sec. 13, T35N, R 2W At lower highway bridge Pagosa Springs.
S-3	San Juan River at Arboles	Sec. 16, T32N, R 5W ¼ mile above mouth of Piedra River.
S-4	San Juan River at Resa, N. Mex.	Sec. 21, T32N, R 5W ¼ mile below mouth of Piedra River.
S-5	San Juan River at Shiprock, N. Mex.	Sec. 22, T30N, R18W 6 miles below mouth of Chaco River.
S-6	San Juan River near Bluff, Utah	Sec. 7, T42S, R19E 1600 feet below Gypsum Wash.
#S-6½	West Fk. San Juan above Borns Lake	Sec. 36, T38N, R 1W 2 miles above lake, ½ mile below Beaver Cr.
S-7	West Fk. San Juan near Pagosa Springs	Sec. 12, T36N, R 1W At highway bridge, 0.6 mi. above mouth.
#S-7½	Turkey Creek near Pagosa Springs	Sec. 10, T36N, R 1W 2 miles above mouth, at Luppin Ranch.
S-8	Rio Blanco near Pagosa Springs	Sec. 1, T34N, R 1E At bridge, 0.4 mile above White Creek.
#S-8½	Rito Blanco near Pagosa Springs	Sec. 12, T34N, R 1W At bridge, 0.1 mile above Sheep Cabin Cr.
#S-8 3/4	Navajo River at Banded Peak Ranch	Sec. 24, T33N, R 2E ½ mile below Aspen Creek.
S-9	Navajo River near Chromo	Sec. 5, T32N, R 2E 3.5 miles east of Chromo.

- Station established or reestablished since 1935.

SAN JUAN RIVER BASIN

Number	Name of Stream	Location
	San Juan River (Continued)	
S-10	Navajo River at Edith	Sec. 24, T32N, R 1W At bridge 1 mile above Coyote Creek.
S-11	Little Navajo at Chromo	Sec. 4, T32N, R 1E At bridge, 1/4 mile above mouth.
S-11 1/2	Piedra River near Bridge Ranger Station	Sec. 22, T37N, R 3W 1 mile below Middle Fork
S-11A	Piedra River at Piedra	Sec. 8, T34N, R 4W 1/4 mile above Yellow Jacket Creek.
S-12	Piedra River at Arboles	Sec. 16, T32N, R 5W 1/4 mile above mouth.
S-12 1/2	Williams Creek near Bridge Ranger Station	Sec. 10, T37N, R 3W 3 miles above mouth.
S-12 1/2	Weminuche Creek near Bridge Ranger Station	Sec. 5, T37N, R 3W 5 miles above mouth.
S-12 3/4	Los Pinos River near Weminuche Pass *	Sec. 5, T39N, R 4W 1 3/4 miles south of Weminuche Pass.
S-12 7/8	Los Pinos River below Snowslide Canyon	Sec. 5, T39N, R 4W 3 1/2 miles south of Weminuche Pass.
S-13	Los Pinos River near Bayfield	Sec. 26, T36N, R 7W 1/4 mile below Red Creek.
S-14	Los Pinos River at Ignacio	Sec. 5, T33N, R 7W About 2 miles above Rock Creek.
S-15	Animas River at Howardsville	Sec. 12, T41N, R 7W 1/2 mile below Cunningham Creek.
S-15A	Animas River at Silverton	Sec. 17, T41N, R 7W 800 feet above Cement Creek.
S-16	Animas River at Tacoma	Sec. 6, T37N, R 8W At D. & R. G. Ry. bridge.
S-17	Animas River at Durango	Sec. 20, T35N, R 9W 1/2 mile above Lightner Creek.
S-18	Cement Creek near Silverton	Sec. 31, T42N, R 7W At Yukon mine, 3 mi. NW of Silverton.
S-19	Mineral Creek near Silverton	Sec. 13, T41N, R 8W 300 feet above mouth of Bear Creek.
S-20	Cascade Creek near Tacoma	Sec. 11, T39N, R 9W At crossing of U. S. Highway 550.
S-20A	Elbert Creek above Electra Lake	Sec. 2, T38N, R 9W At highway, 1 mile NW Electra Lake.
S-21	Hermosa Creek at Hermosa	Sec. 3, T36N, R 9W 1 mile above Hermosa.
S-22	Lightner Creek near Durango	Sec. 26, T35N, R 10W At highway bridge, 3 mi. west of Durango.
S-23	Florida River near Durango	Sec. 4, T35N, R 8W Just below mouth of Red Creek.
S-24	La Plata River at Hesperus	Sec. 14, T35N, R 11W 1/8 mile above highway at Hesperus.

* - Locally known as Pine River.

- Station established or reestablished since 1935.

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SAN JUAN RIVER BASIN

Number	Name of Stream	Location
	<u>San Juan River (Continued)</u>	
S-25	La Plata River at Colo.-N. Mex. state-line	Sec. 10, T32N, R13W
S-26	Cherry Creek near Red Mesa	Sec. 7, T33N, R12W
S-26A	Long Hollow Creek near Red Mesa	Sec. 32, T33N, R12W
S-27	Mancos River near Mancos	Sec. 23, T36N, R13W
S-28	Mancos River near Towaoc	Sec. 15, T32N, R18W
S-29	Middle Fork Mancos near Mancos	Sec. 14, T36N, R13W
S-30	East Fork Mancos near Mancos	Sec. 24, T36N, R13W
S-30A	West Fork Mancos near Mancos	Sec. 14, T36N, R13W
S-30B	McElmo Creek near Cortez	Sec. 33, T36N, R17W

- Station established or reestablished since 1935.

COLORADO RIVER BASIN

C-1	Colorado River near Grand Lake #1	Sec. 13, T 3N, R76W	$\frac{1}{2}$ mile above Grand Lake outlet.
C-2	Colorado River near Granby #1	Sec. 22, T 2N, R76W	1 $\frac{1}{2}$ miles above Willow Creek.
C-3	Colorado River at Hot Sulphur Springs #1	Sec. 1, T 1N, R78W	3 miles above Beaver Cr., 1 mi. east Hot Sulphur Springs.
C-4	Colorado River at Kremmling #1	Sec. 23, T 1N, R81W	2 miles below mouth of Blue River.
C-4A	Colorado River at State Bridge #1	Sec. 26, T 2S, R83W	At highway bridge, $\frac{1}{2}$ mile below Piney Creek.
C-4B	Colorado River at Shoshone #1	Sec. 30, T 5S, R87W	10 miles east of Glenwood Springs.
C-5	Colorado River at Glenwood Springs #1	Sec. 9, T 6S, R89W	$\frac{1}{2}$ mile above mouth of Roaring Fork.
C-6	Colorado River near Cameo	Sec. 6, T10S, R97W	3.4 miles above mouth Plateau Creek.

*1 - By joint resolution of Congress July 25, 1921 and by State enactments the name of Grand River was changed to Colorado.

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COLORADO RIVER BASIN

Number	Name of Stream	Location
C-7	Colorado River near Palisade #1	Sec. 2, T11S, R98W
C-7A	Colorado River at Grand Junction #1	Sec. 23, T 1S, R 1W
C-8	Colorado River near Fruita #1	Sec. 20, T 1N, R 2W
C-9	Colorado River near Cisco, Utah #1	Sec. 17, T23S, R24E
C-10	Colorado River at Lee's Ferry, Arizona	Sec. 13, T40N, R 7E
C-10A	North Inlet to Grand Lake at Grand Lake	Sec. 5, T 3N, R75W
C-10B	Grand Lake outlet at Grand Lake	Sec. 6, T 3N, R75W
C-12	Arapaho Creek below Monarch Lake	Sec. 15, T 2N, R75W
C-12A	Arapaho Creek at mouth	Sec. 7, T 2N, R75W
C-13	Willow Creek near Granby	Sec. 34, T 3N, R77W
C-13A	Fraser River upper station	Sec. 34, T 2S, R75W
C-14	Fraser River above West Portal	Sec. 15, T 2S, R75W
C-14A	Fraser River lower station	Sec. 15, T 2S, R75W
C-15	Fraser River near West Portal	Sec. 4, T 2S, R75W
C-15A	Fraser River near Granby	Sec. 5, T 1N, R76W
C-15B	Fraser River at Granby	Sec. 1, T 1N, R76W
C-15C	Jim Creek near Fraser	Sec. 14, T 2S, R75W
C-15D	Little Jim near Fraser	Sec. 14, T 2S, R75W
C-15E	Vasquez Creek upper station	Sec. 18, T 2S, R75W
C-16	Vasquez Creek lower station	Sec. 33, T 1S, R75W
C-16A	Vasquez Creek near West Portal	Sec. 33, T 1S, R75W
C-16B	Elk Creek at mouth near Fraser	Sec. 19, T 1S, R75W
C-17	St. Louis Creek upper station	Sec. 9, T 2S, R76W
C-17A	St. Louis Creek near Fraser	Sec. 34, T 1S, R76W
C-17A	St. Louis Creek lower station	Sec. 19, T 1S, R75W
		6 miles below mouth Plateau Creek.
		Just above mouth of Gunnison River.
		1 mile above Little Salt Wash.
		1 mile below mouth of Dolores River.
		At Lee's Ferry just above Paria River.
		Short distance above Grand Lake.
		1/2 mile south of Grand Lake P.O.
		700 feet below Roaring Fork.
		1 mile above junction with Colo. River.
		100 feet below Gold Run Creek.
		Just above mouth Eva Creek.
		100 yards below mouth of Jim Creek.
		200 yards below mouth of Jim Creek.
		1 1/2 miles northwest of West Portal.
		2 miles above mouth of Tenuille Creek.
		1/2 mile southwest of Granby.
		Just above mouth.
		Just above mouth.
		4 miles above mouth.
		200 yards below Little Vasquez Creek.
		1/2 mile above mouth.
		Short distance above mouth.
		3/4 mile above East St. Louis Creek.
		1/3 mile below mouth West St. Louis Creek.
		1 mile above mouth.

- Station established or reestablished since 1935.

*1 - By joint resolution of Congress July 25, 1921 and by State enactments the name of Grand River was changed to Colorado River.

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COLORADO RIVER BASIN

Number	Name of Stream	Location
	<u>Colorado River (Continued)</u>	
	<u>Fraser River (Continued)</u>	
C-17B	Ranch Creek upper station near Corona #2	Sec. 30, T 1S, R74W
#C-18	Ranch Creek above Forks	Sec. 24, T 1S, R75W
C-18A	Ranch Creek lower sta. near Corona #2	Sec. 22, T 1S, R75W
C-19	Ranch Creek near Fraser	Sec. 22, T 1S, R75W
C-20	Ranch Creek near Tabernash	Sec. 6, T 1S, R75W
C-20A	So. Fk. Ranch Creek upper station	Sec. 35, T 1S, R75W
#C-21	So. Fk. Ranch near West Portal	Sec. 35, T 1S, R75W
C-21A	So. Fk. Ranch lower station	Sec. 22, T 1S, R75W
C-21B	Middle Ranch upper station	Sec. 25, T 1S, R75W
#C-22	Middle Ranch near Fraser	Sec. 22, T 1S, R75W
C-22A	Middle Ranch lower station	Sec. 22, T 1S, R75W
#C-23	North Ranch Creek near Fraser	Sec. 23, T 1S, R75W
#C-24	Meadow Creek near Tabernash	Sec. 15, T 1N, R75W
#C-25	Strawberry Creek near Granby	Sec. 32, T 2N, R75W
C-26	Williams Fork below Steelman Creek	Sec. 20, T 3S, R76W
C-27	Williams Fork near Leal	Sec. 31, T 2S, R77W
C-27A	Williams Fork near Scholl	Sec. 3, T 2S, R78W
C-28	Williams Fork near Parshall	Sec. 1, T 1S, R79W
C-28A	Troublesome Creek near Troublesome	Sec. 12, T 1N, R80W
C-28B	Muddy Creek near Kremmling	Sec. 1, T 1N, R80W
C-28C	Blue River at Breckenridge	Sec. 7, T 7S, R77W
C-29	Blue River at Dillon	Sec. 18, T 5S, R77W
C-29A	Blue River near Kremmling	Sec. 13, T 2S, R80W
#C-29½	Blue River near Green Mountain Res. site	Sec. 33, T 1S, R80W
C-29B	Spruce Creek upper station nr. Breckenridge	Sec. 23, T 7S, R78W
		On west section line.
		¾ mile above North Fork.
		½ mile above junction South Fork.
		150 yards below junction South Fork.
		1/3 mile above mouth of Hurd Creek.
		2.5 miles above jet. Middle Fork.
		2 miles above junction middle Fork.
		½ mile above jet. middle Fork.
		2 miles above mouth.
		On west section line, 1½ miles above mouth.
		200 yards above jet. South Fork.
		½ mile above junction Ranch Creek.
		Center of section, 5 miles NE of Tabernash.
		0.6 miles below Little Strawberry Creek.
		Just below mouth Steelman Creek.
		Just below mouth of Kinney Creek.
		1 mile below Keyser Creek.
		2½ miles above mouth Battle Creek.
		At highway bridge 1 mile north of Troublesome.
		½ mile above mouth.
		Just above Illinois Gulch.
		Just above mouths of Snake R. & Tenmile Cr.
		At highway bridge, ½ mi. above Horse Cr.
		4 miles below Green Mt. Reservoir site.
		2½ miles above mouth.

*2 - Published as North Ranch Creek by United States Geological Survey.
- Station established or reestablished since 1935.

THE
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COLORADO RIVER BASIN

Number	Name of Stream	Location
	<u>Colorado River (Continued)</u>	
	<u>Blue River (Continued)</u>	
C-29C	Spruce Cr. lower sta. near Breckenridge	Sec. 24, T 7S, R78W 1½ miles above mouth.
C-29D	Crystal Creek near Breckenridge	Sec. 24, T 7S, R78W Short distance above mouth.
C-30	Snake River at Dillon	Sec. 18, T 5S, R77W At highway bridge, 100 yards above mouth.
C-30A	Tennile Creek near Kokomo	Sec. 17, T 6S, R78W 8 miles below Kokomo, 1¼ miles below West Tennile.
C-30B	Tennile Creek near Uneva Lake	Sec. 5, T 6S, R78W 1 mile above North Tennile Creek.
C-31	Tennile Creek at Dillon	Sec. 18, T 5S, R77W At highway bridge, 300 yards above mouth.
C-32	Eagle River at Red Cliff	Sec. 29, T 6S, R80W 1 mile above Homestake Creek.
C-33	Eagle River at Eagle	Sec. 33, T 4S, R84W ¾ mile above Brush Creek.
C-33A	Eagle River below Brush Creek	Sec. 1, T 5S, R85W 2½ miles below Eagle & Brush Creek.
C-33B	Eagle River at Gypsum	Sec. 5, T 5S, R85W At bridge ¼ mile north of Gypsum Ry. Sta.
C-33C	Turkey Creek at Red Cliff	Sec. 19, T 6S, R80W 800 feet above mouth.
C-33D	Homestake Creek at Red Cliff	Sec. 30, T 6S, R80W ¼ mile above mouth.
C-33E	Core Creek near Winturn	Sec. 22, T 5S, R81W 200 feet above junction with Eagle River.
C-33F	Beaver Creek at Avon	Sec. 12, T 5S, R82W 300 feet above mouth of creek.
C-33G	Brush Creek at Eagle	Sec. 6, T 5S, R84W 300 yards above mouth.
C-33H	No Name Creek near Glenwood Springs	Sec. 5, T 5S, R88W 1½ miles above the mouth.
C-33I	Glenwood L. & P. Co.'s flume, Glenwood Spgs.	Sec. 32, T 5S, R88W 60 feet below head gate of flume.
C-34	Roaring Fork at Aspen	Sec. 7, T10S, R84W 1 mile above mouth of Hunter Creek.
C-34A	Roaring Fork below Aspen	Sec. 1, T10S, R85W Between Castle and Maroon Creeks.
C-34B	Roaring Fork near Emma	Sec. 11, T 8S, R87W At Highway Bridge, 1½ miles below Emma.
C-35	Roaring Fork at Glenwood Springs	Sec. 9, T 6S, R89W 1,500 feet above mouth at Glenwood.
C-35A	Hunter Creek at Aspen	Sec. 7, T10S, R84W 500 feet above mouth.
C-35B	Castle Creek near Aspen	Sec. 35, T10S, R85W 1 mile below Conundrum Creek.
C-35C	Maroon Creek near Aspen	Sec. 22, T10S, R85W Just above mouth of Willow Creek.

COLORADO RIVER BASIN

Number	Name of Stream	Location
	Colorado River (Continued)	
	<u>Roaring Fork (Continued)</u>	
C-35D	Maroon Creek lower station	Sec.15,T10S,R85W
C-35E	Snowmass Creek at Snowmass	Sec.27,T 8S,R86W
C-35F	Fryingpan Creek at Norrie	Sec.28,T 8S,R83W
C-36	Fryingpan Creek at Thomasville	Sec. 7,T 8S,R83W
C-36A	Fryingpan Creek at Basalt	Sec. 8,T 8S,R86W
C-36B	North Fork Fryingpan near Norrie	Sec.21,T 8S,R83W
C-36C	Crystal River at Marble	Sec.26,T11S,R88W
C-37	Crystal River at Redstone	Sec. 9,T 9S,R88W
C-37A	Crystal River near Carbondale	Sec.27,T 8S,R88W
C-37B	Elk Creek at New Castle	Sec.31,T 5S,R90W
C-37C	East Fk. Elk Creek near New Castle	Sec.24,T 5S,R91W
C-37D	Middle Fk. Elk Creek near New Castle	Sec.22,T 5S,R91W
C-37E	West Fk. Elk Cr. near New Castle	Sec.29,T 4S,R91W
C-37F	West Divide Creek at Hostetler Ranch	Sec. 6,T 8S,R91W
C-37G	West Divide Creek at Beard Ranch	Sec.36,T 7S,R92W
C-37H	West Divide Creek at Raven	Sec.13,T 7S,R92W
C-38	Willow Creek near Raven	Sec.13,T 9S,R91W
C-38A	West Mamm Creek near Rifle	Sec.23,T 7S,R93W
C-38B	Parachute Creek at Grand Valley	Sec.12,T 7S,R96W
C-39	Roan Creek near Highmore	Sec.26,T 6S,R100W
C-39A	Roan Creek near De Beque	Sec.15,T 7S,R98W
C-40	Carr Creek near Highmore	Sec.30,T 5S,R99W
C-41	Plateau Creek near Collbran	Sec.24,T 9S,R94W
C-41A	Plateau Creek near Molina	Sec.15,T10S,R96W
		1 mile below Willow Creek.
		$\frac{1}{2}$ mile south of Snowmass.
		1 mile above North Fork.
		$\frac{1}{2}$ mile above Deadman Gulch.
		75 yards below concrete bridge in basalt.
		Highway bridge just above mouth.
		$\frac{1}{2}$ mile west of Marble.
		75 feet below Nettle Creek.
		5 miles above Carbondale.
		$\frac{1}{2}$ mile above mouth.
		Highway bridge on south section line.
		Highway bridge just below mouth West Elk Cr.
		Short distance below Cherry Creek.
		5 miles above Raven, $\frac{1}{2}$ mile below High Line Ditch.
		4 miles above Raven, $1\frac{1}{2}$ miles below High Line Ditch.
		At Ewer's ranch at Raven.
		350 yards above mouth, 15 mi. So. of Raven.
		$\frac{1}{2}$ mile above Quakenasp Gulch Creek.
		1 mile above mouth.
		4 miles above mouth of Carr Creek.
		On north section line.
		8 miles above mouth.
		7 miles east of Collbran.
		$\frac{1}{2}$ mile below mouth of Bull Creek.

COLORADO RIVER BASIN

Number	Name of Stream	Location
<u>Colorado River (Continued)</u>		
# C-42	Plateau Creek near Camero	Sec. 18, T10S, R97W
C-43	Buzzard Creek near Heiberger	Sec. 13, T 9S, R93W
C-44	Buzzard Creek near Collbran	Sec. 14, T 9S, R94W
C-45	Gunnison River near Gunnison	Sec. 3, T49N, R 1W
#C-45A	Gunnison River at Iola	Sec. 28, T49N, R 2W
C-45B	Gunnison River near Cimarron	Sec. 4, T48N, R 6W
C-46	Gunnison River at River Portal	Sec. 10, T49N, R 7W
C-46A	Gunnison River near Cory	Sec. 3, T15S, R95W
C-46B	Gunnison River near Roubideau	Sec. 17, T15S, R96W
C-46C	Gunnison River at Whitewater	Sec. 14, T12S, R99W
C-47	Gunnison River near Grand Junction	Sec. 35, T 1S, R 1W
C-48	East River at Almont	Sec. 22, T51N, R 1E
C-48A	Cement Creek near Crested Butte	Sec. 22, T14S, R85W
C-48B	Taylor River at Taylor Park	Sec. 7, T14S, R82W
C-48C	Taylor River above Almont	Sec. 8, T15S, R83W
C-49	Taylor River at Almont	Sec. 22, T51N, R 1E
C-49A	Texas Creek at Taylor Park	Sec. 8, T14S, R82W
C-49B	Willow Creek at Taylor Park	Sec. 22, T14S, R82W
#C-49C	Tomichi Creek at Sargents	Sec. 21, T48N, R 5E
C-49D	Tomichi Creek near Gunnison	Sec. 11, T49N, R 1W
C-49E	Quartz Creek near Pitkin	Sec. 11, T50N, R 4E
#C-49f	Quartz Creek near Ohio	Sec. 27, T50N, R 3E
#C-49 3/4	Cebolla Creek at Powderhorn	Sec. 29, T47N, R 2W
C-49F	Sapinero Creek at Sapinero	Sec. 28, T49N, R 4W
C-50	Lake Fork at Lake City	Sec. 34, T44N, R 4W
		1.1 miles above mouth.
		1.1 miles below Hightower Ranger Station.
		1/2 mile above Brush Creek.
		1 mile above Tomichi Creek.
		1000 ft. above highway bridge, 1 mi. NE Iola.
		1000 ft. above mouth Cimarron Creek.
		300 feet above east portal of Gunnison Tunnel.
		At highway bridge, 1 mile above Surface Cr.
		At highway bridge, 1/2 mile north of Roubideau.
		1/2 mile above railroad station at Whitewater.
		2 miles above mouth, 1/2 mile below R.P. Canal.
		400 feet above mouth at Almont.
		1 1/2 miles above mouth.
		At Brights Ranch, just above mouth of Texas Cr.
		Short distance below Lotus Creek.
		800 feet above jct. with East River.
		At Highway bridge on Dorchester Road.
		On Tin Cup road, near ranger station.
		1 mile below Marshall Creek.
		1/2 mile above mouth.
		1 mile southwest of Pitkin.
		1/2 mile below Willow Creek.
		250 feet below mouth Powderhorn Creek.
		At highway bridge, 1/2 mile northeast of Sapinero.
		Just above Wade Gulch.

COLORADO RIVER BASIN

Number	Name of Stream	Location
	<u>Colorado River (Continued)</u>	
	<u>Gunnison River (Continued)</u>	
C-50 $\frac{1}{2}$	Lake Fork near Gateview	Sec. 29, T47N, R 3W $\frac{1}{2}$ mile above Indian Creek.
C-51	Henson Creek at Lake City	Sec. 33, T44N, R 4W 1 mile southwest of Lake City.
C-51A	Cimarron Creek at Cimarron	Sec. 5, T48N, R 6W Just above mouth at Cimarron.
C-51B	Crystal Creek near Maher	Sec. 35, T50N, R 6W 1 mile below North Fork.
C-52	North Fk. Gunnison near Somerset	Sec. 10, T13S, R90W 2 miles east of Somerset.
C-53	North Fk. Gunnison near Paonia	Sec. 28, T13S, R91W 2 miles northeast of Paonia.
C-53A	North Fk. Gunnison near Hotchkiss	Sec. 11, T15S, R93W 2 $\frac{1}{2}$ miles below Leroux Creek.
C-54	East Muddy Creek near Ragged Mt.	Sec. 13, T11S, R90W 250 yards above mouth of Drift Creek.
C-55	East Muddy Creek near Bardine	Sec. 17, T12S, R89W $\frac{1}{2}$ mile below Spring Creek.
C-56	Leroux Creek near Cedaredge	Sec. 16, T13S, R93W 7 miles northeast of Cedaredge.
C-57	Leroux Creek near Lazear	Sec. 33, T13S, R93W At highway bridge, 8 miles north of Lazear.
C-58	Surface Creek at Cedaredge	Sec. 20, T13S, R94W At Cedaredge.
C-59	Uncompahgre River at Ouray	Sec. 31, T44N, R 7W 150 feet above Canyon Creek.
C-60	Uncompahgre River below Ouray	Sec. 30, T44N, R 7W 0.33 miles below railroad station.
C-61	Uncompahgre River at Colona	Sec. 17, T47W, R 8W $\frac{1}{2}$ mile east of Colona.
C-61A	Uncompahgre River at Ft. Crawford	Sec. 36, T48W, R 9W Below Horsefly Creek.
C-61B	Uncompahgre River near Ft. Crawford	Sec. 23, T48N, R 9W On north section line.
C-62	Uncompahgre River at Montrose	Sec. 33, T49N, R 9W At highway bridge.
C-63	Uncompahgre River at Delta	Sec. 13, T15S, R96W At railroad bridge, 1 mile NW of Delta.
C-63A	Canyon Creek at Ouray	Sec. 31, T44N, R 7W 200 feet above mouth.
C-63B	Dallas Creek near Ridgeway	Sec. 5, T45W, R 8W At highway bridge, 1 $\frac{1}{2}$ miles north of Ridgeway.
C-63C	Escalante Creek near Delta	Sec. 20, T15S, R97W 2 miles above mouth.
C-64	Kahnah Creek near Whitewater	Sec. 34, T12S, R97W 1 mile below Grand Junction water supply intake.
C-64A	Dolores River at Rico	Sec. 36, T40N, R11W Just below Silver Creek.

- Station established or reestablished since 1935.

THE
HISTORY
OF
THE
CITY
OF
NEW
YORK
FROM
1624
TO
1898
BY
JOHN
B. HOGAN
AND
JAMES
M. SMITH
NEW
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1898

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COLORADO RIVER BASIN

Number	Name of Stream	Location
	<u>Colorado River (Continued)</u>	
C-65	Dolores River at Dolores	Sec. 9, T37N, R15W 1/4 mile above Lost Canyon Creek #3
C-65A	Dolores River at Bedrock	Sec. 17, T47N, R18W Above West Paradox Creek at Bedrock.
C-65 1/2	Dolores River at Gateway	Sec. 15, T51N, R19W 3 miles southwest of Gateway.
C-65B	Lost Canyon Creek at Dolores	Sec. 16, T37N, R15W At D. & R.G.W. RR. bridge, 1/2 mile south Dolores.
C-65C	San Miguel River at Fall Creek	Sec. 7, T43N, R10W 200 yards above Fall Creek.
C-65D	San Miguel River near Placerville	Sec. 34, T44N, R11W At Estep Ranch bridge.
C-65E	San Miguel River at Canal Intake	Sec. 23, T44N, R12W 7 miles below Placerville.
C-66	San Miguel River at Naturita	Sec. 19, T46N, R15W On west section line.

#3 - Prior to Nov. 30, 1912 station was below mouth of Lost Canyon Creek.

- Station established or reestablished since 1935.

GREEN RIVER BASIN

G-1	Green River near Linwood, Utah	Sec. 29, T 3N, R21E 1/2 mile above Henrys Fork.
G-1A	Beaver Creek near Ladore	Sec. 25, T11N, R104W At Meyer's Ranch, 16 miles from Ladore.
G-1B	Vermillion Creek near Ladore	Sec. 3, T 9N, R1C2W Near Bassets Ranch, 5 miles from Ladore.
G-1C	Yampa River at Yampa	Sec. 10, T 2N, R85W On bridge, Yampa to railroad station.
G-2	Yampa River at Steamboat Springs	Sec. 17, T 6N, R84W 1/2 mile above Soda Creek.
G-3	Yampa River at Craig	Sec. 6, T 6N, R90W Steel highway bridge, 1 mile south of Craig.
G-4	Yampa River near Maybell	Sec. 2, T 6N, R95W 3 miles east of Maybell.
G-4A	Morrison Creek near Oak Creek	Sec. 28, T 4N, R84W Short distance above mouth, 8 miles east of Oak Creek.
G-4B	Walton Creek near Steamboat Springs	Sec. 11, T 5N, R84W At mouth of canyon, 7 miles from Steamboat Spg.
G-4C	Fish Creek near Steamboat Springs	Sec. 21, T 6N, R84W 1/2 mile above main highway crossing.
G-4D	Soda Creek at Steamboat Springs	Sec. 8, T 6N, R84W At Main St. Bridge in Steamboat Springs.

GREEN RIVER BASIN

Number	Name of Stream	Location
	<u>Green River (Continued)</u>	
	<u>Yampa River (Continued)</u>	
G-4E	Elk River at Hiram Park	Sec. 4, T 9N, R84W
G-6	Elk River near Clark	Sec. 28, T 9N, R85W
G-7	Elk River near Trull	Sec. 6, T 6N, R85W
G-7A	Big Creek near Steamboat Springs	Sec. 3, T 7N, R85W
G-7B	Mad Creek near Steamboat Springs	Sec. 14, T 7N, R85W
		Just above the mouth of South Fork. At Highway at Clark, On Steamboat Springs - Craig Highway. 300 feet above mouth. 6 miles from Steamboat Sprgs., on highway to Hahns Peak.
G-7C	Trout Creek at Pinnacle	Sec. 7, T 3N, R86W
G-7D	Fish Creek at Dunkley	Sec. 34, T 5N, R87W
G-7E	Elkhead Creek at Hays Ranch	Sec. 5, T 8N, R88W
G-8	Elkhead Creek near Craig	Sec. 25, T 7N, R90W
G-8A	No. Fk. Elkhead at Hays Ranch	Sec. 5, T 8N, R88W
G-8B	East Fk. Elkhead at Hays Ranch	Sec. 17, T 9N, R87W
G-8C	Fortification Creek at Chapmans Ranch	Sec. 23, T 8N, R90W
G-10	Fortification Creek at Craig	Sec. 31, T 7N, R90W
G-10A	Little Bear Creek at Skiles Ranch	Sec. 23, T 8N, R90W
G-10B	Williams Fork near Pyramid	Sec. 8, T 3N, R88W
G-11	Williams Fork at Hamilton	Sec. 21, T 5N, R91W
G-11A	Milk Creek near Axial	Sec. 6, T 4N, R92W
G-12	Little Snake, Mid. Fk., Gardners Ranch	Sec. 21, T 12N, R86W
G-13	Little Snake near Dixon, Wyoming	Sec. 6, T 12N, R90W
G-14	Little Snake near Lily	Sec. 20, T 7N, R90W
G-14A	So. Fk. Little Snake at Fleming	Sec. 1, T 11N, R87W
G-14B	So. Fk. Little Snake, Gardner's Ranch	Sec. 28, T 12N, R86W
G-16	Slater Fork at Baxter's Ranch	Sec. 22, T 11N, R89W
		At wagon bridge, $\frac{1}{4}$ mile above Pinnacle. At wagon bridge, $\frac{1}{4}$ mile below Dunkley's ranch. $\frac{1}{2}$ mile above mouth of North Fork. One mile above mouth, 6 miles east of Craig. $\frac{1}{2}$ mile above confluence with East Fork. $\frac{1}{4}$ mile above confluence with North Fork. $\frac{1}{4}$ mile above mouth of Little Bear Creek. 1/8 mile east of Craig. $\frac{1}{2}$ mile above mouth. Dunston's Ranch, 3 miles below Pyramid. At bridge, on Craig - Meeker highway. At bridge, on Axial-Les Grove highway. County rd. bridge, 10 miles above Battle Cr. 1/8 mile above Willow Creek. 6 miles north of Lily, 6 miles above mouth. 6 miles above mouth. Gardners ranch, 10 miles above Battle Creek. 1 1/2 miles south of Slater.

- Station established or reestablished since 1935.

THE STATE OF NEW YORK
IN SENATE
January 10, 1894.
REPORT
OF THE
COMMISSIONERS OF THE LAND OFFICE
IN RESPONSE TO A RESOLUTION
PASSED BY THE SENATE
MAY 1, 1893.
ALBANY: J. B. LIPPINCOTT & CO. PRINTERS.
1894.

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1894.

GREEN RIVER BASIN

Number	Name of Stream	Location
	<u>Green River (Continued)</u>	
	<u>Yampa River (Continued)</u>	
	<u>Little Snake (Continued)</u>	
G-17	Slater Fork near Slater	Sec. 21, T12N, R89W
G-17A	Roaring Fork near Baxter's Ranch	Sec. 36, T11N, R89W
G-17B	Savery Creek at Savery, Wyoming	Sec. 6, T12N, R89W
G-18	Willow Creek at Ryan's Ranch	Sec. 26, T11N, R90W
G-18A	Muddy Creek near Baggs, Wyoming	Sec. 32, T13N, R91W
G-19	Pourmile Creek at Ranger station	Sec. 9, T10N, R90W
G-19A	White River North Fork near Buford	Sec. 20, T 1N, R90W
G-19B	White River North Fork at Buford	Sec. 3, T 1S, R91W
G-21	White River near Meeker	Sec. 30, T 1N, R93W
G-21A	White River at White River	Sec. 35, T 2N, R97W
G-21B	White River near Rangely	Sec. 35, T 2N, R102W
G-22	White River near Watson, Utah	Sec. 2, T10S, R24E
G-22A	Marvine Creek near Buford	Sec. 22, T 1N, R90W
G-23	So. Fk. of White River near Buford	Sec. 7, T 2S, R90W
G-23A	Piceance Creek near mouth	Sec. 2, T 1N, R97W



Stream Gaging Stations Established For Water Year 1939

Arkansas River Basin

A- 4 $\frac{1}{2}$	Arkansas River at Portland	Sec.17,T19S,R68W	Above mouth of Hardscrabble Creek.
A- 5 $\frac{1}{2}$	Arkansas River near Avondale	Sec. 1,T21S,R63W	At Nyburg Bridge, $\frac{1}{4}$ mile above sixmile creek.
A-17 $\frac{1}{2}$	Fountain River near Fountain	Sec. 4,T17S,R65W	At bridge, 1 mile below Little Fountain Creek.
A-22 $\frac{1}{2}$	Monument Creek at Pikeview	Sec.18,T13S,R66W	1.4 miles below Cottonwood Creek.

Colorado River Basin

C-37 $\frac{1}{2}$	West Divide Creek below Willow Creek	Sec.14,T 9S,R91W	$\frac{1}{4}$ mile below mouth of Willow Creek.
#C-63	Uncompahgre River at Delta	Sec.13,T15S,R96W	1 $\frac{1}{4}$ miles above mouth.
C-63 $\frac{1}{2}$	Roubideau Creek near Delta	Sec. 7,T51N,R11W	600 feet above Buttermilk Creek.
C-63 $\frac{3}{4}$	Roubideau Creek at mouth near Delta	Sec.19,T15S,R96W	$\frac{1}{2}$ mile above mouth.
C-63 $\frac{1}{4}$	Dolores River near McPhee	Sec.12,T38N,R16W	.8 mile below Beaver Creek.

Re-established.

THE HISTORY OF THE UNITED STATES OF AMERICA

BY

JOHN F. JOHNSON

OF THE UNIVERSITY OF CHICAGO

AND

JOHN F. JOHNSON

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ANNUAL RUN-OFF AND MAXIMUM AND MINIMUM AVERAGE 24-HOUR DISCHARGE FOR WATER YEARS 1936 & 1937

All Colorado Stations With Data Subsequent to 1935*

*(Date of Termination of Figures in Publication "Data On Stream Gaging Stations of Colorado, February, 1938.)

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge	
		1936	1937	Max.	Sec-Feet min.
NORTH PLATTE RIVER					
NP-1	Grizzly Creek near Walden	41,231x	24,779x	481	1.6
NP-2	North Platte River near Walden	184,500	109,000x	1,500	23.0
NP-3	North Platte River near Northgate	332,100	215,300	3,980	30.0
NP-3½	North Platte River at Saratoga, Wyo.	802,000	645,700	6,810	131.0
NP-4	Little Grizzly Creek near Hebron	50,117x	34,287x	508	1.9
NP-5	Roaring Fork near Walden	51,896x	33,880x	508	6.5
NP-5B	No. Fk. of No. Platte near Walden	---	25,590x	329	22.0
NP-7	Michigan River near Lindland	26,322x	14,928x	280	1.8 n
NP-7½	Michigan River at Haworth School	---	17,745x	249 n	12.0
NP-8	Michigan River near Walden	29,843x	14,634x	365	7.1
NP-8A	Michigan River near Cowdrey	---	9,962x	500	1.2 n
NP-8½	Owl Creek near Lindland	---	548x	11 n	0.1 n
NP-9	Illinois Creek at Rand	24,870x	14,868x	276	3.9
NP-10	Illinois Creek at Walden	14,467x	6,786x	326	0.0
NP-11	Willow Creek near Rand	7,460x	2,749x	107	0.4
NP-11A	Canadian River near Cowdrey	---	16,829x	176 n	4.0 n
NP-14	Laramie River near Glendevvey	36,380x	24,670x	329	13.0
NP-15	Laramie River near Jelm, Wyoming	99,930	84,460	977	21.0

Notes - A-Station reestablished.

n-New maximum or minimum recorded since 1935.

x-No record during winter months.

1870-1871

1871-1872

1872-1873

1873-1874

1874-1875

1875-1876

1876-1877

1877-1878

1878-1879

1879-1880

1880-1881

1881-1882

ANNUAL RUN-OFF AND MAXIMUM AND MINIMUM AVERAGE 24-HOUR DISCHARGE FOR WATER YEARS 1936 & 1937

All Colorado Stations With Data Subsequent to 1935*

*(Date of Termination of Figures in Publication "Data On Stream Gaging Stations of Colorado, February, 1938")

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge	Sec-Feet Min.	
		1936	1937			
SOUTH PLATTE RIVER						
DWB	SP-1	So. Fk. So. Platte at Twin Bridges	84,854x	16,794x	300	10.0 n
DWB	SP-2	So. Fk. So. Platte below Antero Res.	23,342x	13,752x	204 n	8.0
DWB	SP-3	So. Fk. So. Platte above 11 mile Res.	80,336x	36,600x	995 n	31.0
	SP-4	So. Platte River near Lake George	61,140x	26,664	633	0.0
	SP-5	So. Platte River above Lake Cheesman	121,520x	51,630x	1,590 n	12.0
	SP-6	So. Platte River below Lake Cheesman	140,800	78,060	1,440	7.0
	SP-8	So. Platte River at South Platte	292,600	179,830	1,750	27.0
	SP-9	So. Platte River at Waterton	174,500	87,609	1,300	0.2
	SP-10	So. Platte River at Denver	219,200	145,300	1,740	25.0
	SP-11	So. Platte River at Henderson	252,100	169,270	3,510	35.0
	SP-12	So. Platte River near Fort Lupton	254,300	182,870	1,790	39.0
	SP-13	So. Platte River near Kersey	286,300	296,280	1,730	51.0
	SP-14	So. Platte River at Sublette	132,200	148,510	1,820	43.0
	SP-15	So. Platte River at Balzac	74,520	69,100	1,360	4.6 n
	SP-16	So. Platte River at Julesburg	87,880	72,660	613	17.0
DWB	SP-17	Middle Fork So. Platte below Fairplay	62,256x	31,718x	502 n	20.0
DWB	SP-18	Middle Fork So. Platte near Hartsel	52,226x	24,494x	457 n	16.0
DWB	SP-19	Fourmile Creek at Nelson's Ranch	7,064x	4,500x	105 n	2.0
DWB	SP-20	Fourmile Creek at mouth	9,280x	3,936x	94 n	1.0
DWB	SP-21	Tarryall Creek above Como	17,098x	8,556x	105	5.0 n
DWB	SP-22	Tarryall Creek below Rock Creek	41,866x	16,116x	800	5.0
	SP-23	Tarryall Creek near Lake George	46,780x	16,560x	622	5.2
DWB	SP-24	Michigan Creek above Jefferson	8,082x	3,710x	75 n	1.0

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Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge	Sec.-Feet min.
		1936	1937		
SOUTH PLATTE					
DWB	Jefferson Creek above Jefferson	12,220x	7,126x	86	4.0
SP-25	Goose Creek at Lake Cheesman	19,120	11,730x	143	2.0
SP-26	North Fk. of So. Platte at South Platte	138,800	85,630	830	20.0
SP-27	Bear Creek at Morrison	45,560	29,160	322	3.6
SP-29	Bear Creek at mouth	14,740	13,930	228	0.7 n
SP-31	Clear Creek near Golden	215,300	148,100	1,580	26.0
SP-33	Clear Creek at mouth	74,330	52,660	1,730	1.1
SP-34	Fall River at Idaho Springs	16,990	7,930x	110	2.5
SP-35	No. St. Vrain Creek at Longmont Dam	79,410	59,146	578	4.0
SP-36	St. Vrain Creek at Lyons	106,800	74,740	937	1.7
SP-37	St. Vrain Creek at mouth	99,090	110,200	1,950	46.0
SP-38	Lefthand Creek at mouth	10,490	10,060	158	1.2
SP-39	Boulder Creek near Crodell	79,270	54,200	535	1.6 n
SP-40	Boulder Creek at mouth	27,980	34,330	560	0.0
SP-42	Middle Boulder Creek at Nederland	45,080	32,787	348	4.0
SP-45	So. Boulder Creek near Eldorado Springs	57,120	47,610	586	2.0
SP-47	Big Thompson River at Estes Park	124,100	101,519	845	15.0
SP-48	Big Thompson River below Power House	155,200	115,300	1,080	6.0
SP-49	Big Thompson River at Canon mouth	---	---	---	--
SP-50	Big Thompson River at mouth	20,420	21,570	240	2.3
SP-52	Cache La Poudre at Canon mouth	294,400	222,400	2,970	28.0
SP-53	Cache La Poudre at mouth	29,150	30,010	268	3.0
SP-54					
1938					

1938

Notes - n-New maximum or minimum recorded since 1935.

x-No record during winter months.

DWB-Denver Water Board.

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ANNUAL RUN-OFF AND MAXIMUM AND MINIMUM AVERAGE 24-HOUR DISCHARGE FOR WATER YEARS 1936 & 1937

All Colorado Stations with Data Subsequent to 1935*

*(Date of Termination of Figures in Publication "Data On Stream Gaging Stations of Colorado, February, 1938".)

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr Discharge	Sec-Feet	
		1936	1937		Max.	Min.
REPUBLICAN RIVER						
1937	REP-1	Republican River at Max, Nebraska	119,400	12,500	0.0	
	REP-1½	North Fk. Republican River near Wray				
	REP-2	North Fk. Republican River at Colo.-Nebr. State Line				
	REP-3	Arikaree River at Haigler, Nebr.				
	REP-4	Frenchman Creek near Champion, Nebr.				

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All Colorado Stations with Data Subsequent to 1935*

*(Date of Termination of Figures in Publication "Data On Stream Gaging Stations of Colorado, February, 1938".)

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge		Sec-Feet Min.
		1936	1937	Max.	Min.	
ARKANSAS RIVER						
A-2	Arkansas River at Granite	308,800	209,030	1,780		54.0
A-3	Arkansas River at Salida	537,400	368,690	2,630		168.0
A-4	Arkansas River at Canon City	582,000	409,400	2,780		137.0
A-5	Arkansas River at Pueblo	*523,100	*348,290	5,060		11.0
	Diverted by water works above A-5	35,950	34,080	--		--
A-6	Arkansas River near Nepesta	582,500	390,600	14,340		20.0
A-7	Arkansas River at La Junta	266,300	154,300	14,220		6.1
A-7½	Arkansas River at Caddoa	---	---	---		---
A-8	Arkansas River at Lamar	238,300	66,320	14,420		0.4
A-9	Arkansas River at Holly	329,400	133,100	17,480		8.0
A-12	South Arkansas River near Salida	44,530	26,405	339		0.0
A-13	Grape Creek near Westcliffe	17,059x	17,845x	642 n		0.1 n
A-25	Huerfano River at Manzanares crossing	21,526x	32,100	312 n		4.0 n
A-25B	Huerfano River at Badito	---	---	---		---
A-25D	Huerfano River near Undercliff	---	---	---		---
A-25½	Cucharas River at Boyd Ranch	13,712x	26,047	272 n		2.0 n
	(1935)					
A-26½	Apishapa River at Aguilar	---	---	---		---
A-27	Purgatoire River at Trinidad	34,400	68,486	1,180		4.0
A-28	Purgatoire River at Nine Mile Dam	59,950	63,295	3,290		0.0
A-29	Purgatoire River at Highland Dam	66,150	72,214	5,240		0.0
A-32	Holly Drain near Holly	11,010	8,679	1,070		1.0 n
1938						
#1938						
#1938						
1938						

Notes: # - Station reestablished. n - New maximum or minimum recorded since 1935. * - Not corrected for x - No record during winter months. - 78 - unstream diversion.

ANNUAL RUN-OFF AND MAXIMUM AND MINIMUM AVERAGE 24-HOUR DISCHARGE FOR WATER YEARS 1936 & 1937

All Colorado Stations with Data Subsequent to 1935*

*(Date of Termination of Figures in Publication "Data On Stream Gaging Stations of Colorado, February, 1938".)

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge	
		1936	1937	Max.	Min.
RIO GRANDE					
R-1	Rio Grande at Thirty Mile Bridge	138,800	122,121	1,100	2.0
R-2	Rio Grande at Wason below Creede	313,000	332,590	2,600	58.0
R-3	Rio Grande near Del Norte	475,500	572,750	3,630	95.0
R-4	Rio Grande near Monte Vista	145,000	168,310	1,370	7.0
R-5	Rio Grande at Alamosa	64,100	93,082	828	10.0
R-6	Rio Grande above Trinchera Creek	23,970x	164,000	836 n	3.0 n
R-7	Rio Grande near Lobatos	266,700	498,800	4,220	8.0
R-8	Clear Creek below Continental Reservoir	20,740	16,778x	278 n	9.4
R-9	So. Fk. of Rio Grande at So. Fork	86,050x	166,900	1,670	37.0
R-10	Pinos Creek near Del Norte	12,380x	19,300x	203	5.0 n
R-11	Carnero Creek near La Garita	4,706x	6,655x	93	1.9
R-12	La Garita Creek near La Garita	6,346x	7,040x	87	1.5 n
R-12A	San Francisco Creek near Del Norte	2,080x	2,320x	34 n	0.8
R-13	Kerber Creek near Villa Grove	6,350x	6,109x	54 n	2.2
R-14	Saguache Creek near Saguache	28,310x	34,790x	282	16.0
R-15	No. Crestone Creek near Crestone	9,120x	8,333x	364 n	2.5 n
R-15A	So. Crestone Creek near Crestone	1,467x	144xD	28 n	0.5 n
R-15B	Willow Creek near Crestone	4,244x	382xD	240 n	0.8 n
R-15C	Spanish Creek near Crestone	2,379x	221xD	71 n	1.2 n
R-15D	Cottonwood Creek near Crestone	3,532x	463xD	85 n	2.3 n
R-15E	Deadman Creek near Crestone	4,274x	605xD	40 n	2.5 n
R-15F	Arena (Sand) Creek near Crestone	10,150x	1,672xD	175 n	7.0 n

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge	Sec-Feet
		1936	1937		Max.
RIO GRANDE					
R-16	Alamosa River above Terrace Reservoir	72,860x	91,500x	1,000	20.0
R-17	Alamosa River below Terrace Reservoir	80,530	100,450	1,030	22.0
R-18	Alamosa River near Capulin	8,038x	524xD	128 n	0.0 n
R-19	Rock Creek near Monte Vista	6,432x	8,050x	70	2.0 n
R-19A	Rock Creek near Alamosa	4,601x	2,270xD	45 n	0.0 n
R-19½	La Jara Creek at Gallegos Ranch	5,100x	19,822x	448 n	3.5
R-20A	La Jara Creek below Empire Canal	4,460x	4,160xD	100 n	0.0 n
R-21	Trinchera Creek above Turner's Ranch	11,977x	22,635x	216	9.0
R-22	Trinchera Creek above Mt. Home Res.	9,125x	20,950x	189	5.1
R-23	Trinchera Creek below Smith Reservoir	4,800	4,692x	575 n	0.3 n
R-23A	Trinchera Creek at mouth	1,235x	3,180xD	40 n	0.1 n
R-24	Sangre de Cristo Creek near Ft. Garland	5,819x	35,538x	543 n	0.0
R-25	Sangre de Cristo Creek above Smith Res.	9,411x		246 n	2.3
R-25A	Ute Creek (Upper Station) near Ft. Garland	7,240x		84 n	13.0 n
R-26	Ute Creek near Ft. Garland	16,104x		288 n	1.6 n
R-26½	Conejos River at Platoro	---	48,842x	1,030 n	8.6 n
R-27	Conejos River near Mogote	222,100	95,936x	2,990	27.0
R-28	Conejos River near La Sauses	153,200	320,850	3,410	0.5
R-29	San Antonio River at Ortiz	21,569x	316,600	1,080	0.0
R-30	San Antonio River at mouth	61,030	46,069x	1,520	0.0
R-31	Los Pinos River near Ortiz	86,320x	140,443	1,920	11.0
R-32	Culebra River at San Luis	37,910	146,156x	1,920	10.0
R-32A	Culebra River at mouth	106x	47,310	288	0.0
R-32C	Costilla Creek near mouth	Ox	OxD	19	0.0

Notes - # - Station reestablished.

n - New maximum or minimum recorded since 1935.

x - No record during winter months.

D - Station discontinued. Record for Oct., Nov., 1936 only.

ANNUAL RUN-OFF AND MAXIMUM AND MINIMUM AVERAGE 24-HOUR DISCHARGE FOR WATER YEARS 1936 & 1937

All Colorado Stations with Data Subsequent to 1935*

*(Date of Termination of Figures in Publication "Data On Stream Gaging Stations of Colorado, February, 1938".)

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge	Sec.-Feet	
		1936	1937		Max.	Min.
SAN JUAN RIVER						
S-1	San Juan River near Pagosa Springs	85,700	122,800	1,060	12.0 n	
S-2	San Juan River at Pagosa Springs	233,300	342,300	2,950	25.0 n	
S-4	San Juan River at Rosa, New Mexico	741,000	1,148,540	7,480	143.0	
S-5	San Juan River near Shiprock, N.Mex.	1,757,000	2,250,580	15,600	84.0	
S-6	San Juan River near Bluff, Utah	1,631,000	2,336,250	14,900	130.0	
S-6 1/2	West Fork San Juan above Born's Lake	---	60,410x	701 n	15.0 n	
S-7	West Fork San Juan near Pagosa Springs	102,000	143,200	1,390	14.0 n	
S-7 1/2	Turkey Creek near Pagosa Springs	---	24,100x	381 n	0.4 n	
S-8	Rio Blanco near Pagosa Springs	70,630	94,710	1,150 n	8.2 n	
S-8 1/2	Rito Blanco near Pagosa Springs	13,550	21,860	210	0.2 n	
S-8 3/4	Navajo River at Banded Peak Ranch	---	74,700x	580 n	31.0 n	
S-9	Navajo River near Chromo	97,550	121,400	1,060	20.0 n	
S-10	Navajo River at Edith	115,300	169,800	1,580	21.0	
S-11	Little Navajo River at Chromo	9,830	15,400	240 n	0.1 n	
S-11 1/2	Piedra River near Bridge Ranger Sta.	---	76,500x	732 n	16.0 n	
S-12 1/2	Williams Creek near Bridge Ranger Sta.	---	29,676x	365 n	8.0 n	
S-12 3/4	Weminuche Creek near Bridge Ranger Sta.	---	39,710x	443 n	8.2 n	
S-12 7/8	Los Pinos River near Weminuche Pass	---	2,717x	38 n	3.6 n	
S-13	Los Pinos River below Snowslide Canyon	---	---	---	---	
S-14	Los Pinos River near Bayfield	255,000	284,120	2,450	48.0	
	Los Pinos River at Ignacio	173,000	235,220	2,620	6.8	

1880

1881

1882

1883

1884

1885

1886

1887

1888

Number	Name of Station	Annual Run-Off in Acre-Feet Ave. 24-hr. Discharge			Sec-Feet Min.
		1936	1937	Max.	
SAN JUAN RIVER					
1936	S-15 Animas River at Howardsville	65,370x	61,800x	640 n	25.0 n
	S-17 Animas River at Durango	522,400	540,550	4,670	140.0
1936	S-18 Cement Creek near Silverton	16,240x	15,980x	215 n	7.4 n
1936	S-19 Mineral Creek near Silverton	37,450x	56,840x	597 n	17.0 n
	S-20 Cascade Creek near Tacoma	30,150	32,820	512	4.2
	S-22 Lightner Creek near Durango	14,930	23,338	441 n	1.1
	S-23 Florida River near Durango	72,150	80,431	706	6.0
	S-24 La Plata River at Hesperus	32,410	37,536	441	2.7
	S-25 La Plata River at Colo.-New Mex. Line	24,690	44,794	700	0.0
	S-26 Cherry Creek near Red Mesa	6,225x	14,976	410 n	0.0
	S-27 Mancos River near Mancos	39,560	56,438	650	1.8
	S-28 Mancos River near Towaoc	37,360	57,390	560	0.0
1938	S-29 Middle Fork Mancos River near Mancos	--	--	--	--
1938	S-30 East Fork Mancos River near Mancos	--	--	--	--
#1938	S-30A West Fork Mancos River near Mancos	---	---	---	---

Notes - #-Station reestablished.

x-No record during winter months.

n-New maximum or minimum recorded since 1935.

1871

1872

1873

1874

1875

1876

1877

ANNUAL RUN-OFF AND MAXIMUM AND MINIMUM AVERAGE 24-HOUR DISCHARGE FOR WATER YEARS 1936 & 1937

All Colorado Stations with Data Subsequent to 1935*

*(Date of Termination of Figures in Publication "Data On Stream Gaging Stations of Colorado, February, 1938".)

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge Sec-Feet	
		1936	1937	Max.	Min.
COLORADO RIVER					
C-1	Colorado River near Grand Lake	88,040	49,770	626	10.0
C-2	Colorado River near Granby	288,600	196,400	2,340	20.0 n
C-3	Colorado River at Hot Sulphur Springs	549,500	320,700	4,180	77.0
C-5	Colorado River at Glenwood Springs	2,283,000	1,463,000	16,600	369.0
C-6	Colorado River near Cameo	3,637,000	2,537,000	26,000	847.0
C-9	Colorado River near Cisco, Utah	5,765,000	4,621,490	39,200	1,210.0
C-10	Colorado River at Lee's Ferry, Ariz.	11,935,000	11,370,000	82,000	1,560.0
C-12	Arapaho Creek below Monarch Lake	87,420	56,690	1,230 n	5.0 n
C-13	Willow Creek near Granby	63,880	36,320	655 n	10.0
C-14	Fraser River above West Portal	*15,420	*9,260	207	1.4 n
C-15	Fraser River near West Portal	*20,680	*12,880	256	3.8
	Diversion by Moffat Tunnel above C-14 & 15	12,150	**21,673	-	-
1938	Fraser River at mouth	---	---	-	-
C-16	Vasquez Creek near West Portal	28,730	9,505	241	0.2 n
C-17	St. Louis Creek near Fraser	31,560	21,530	235	6.0
C-18	Ranch Creek above Forks near Fraser	---	2,480x	23 n	1.2 n
C-19	Ranch Creek near Fraser	18,930	11,280	179	3.4
C-20	Ranch Creek near Tabernash	35,130	22,040	363	0.0 n
1937	So. Fork Ranch Creek near West Portal	---	1,690x	18 n	0.8 n
1937	Middle Fork Ranch Creek near Fraser	---	2,500x	24 n	1.3 n
1937	North Fork Ranch Creek near Fraser	---	1,985x	20 n	1.6 n
1936	Meadow Creek near Tabernash	5,180x	7,671x	110 n	0.6 n

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge		Sed-Feet	
		1936	1937	Max.	Min.		
COLORADO RIVER							
1936	C-25 Strawberry Creek near Granby	2,120x	3,085x	38 n		0.0 n	
	C-26 Williams Fork below Steelman Creek	21,880	15,690	192		2.2	
	C-27 Williams Fork near Leal	90,430	57,620	798		14.0 n	
	C-28 Williams Fork near Parshall	124,400	77,110	1,020		23.0	
	C-29 Blue River at Dillon	108,200	55,880	761		7.6 n	
1938	C-29½ Blue River nr. Green Mountain Res. site.	---	---	--		--	
	C-30 Snake River at Dillon	74,610	28,150	650		7.5	
	C-31 Ten Mile Creek at Dillon	112,800	59,720	916		5.6	
	C-34 Roaring Fork at Aspen	*95,150	*51,370	914		5.8 n	
	Diversion Twin Lakes Tunnel above C-34	24,230	31,920	--		--	
	C-35 Roaring Fork at Glenwood Springs	1,048,000	789,100	7,740		286.0	
	C-37 Crystal River near Redstone	286,700	244,100	2,080		55.0 n	
	C-38 Willow Creek near Raven	5,125x	4,360x	126		0.0	
	C-39 Roan Creek near Highmore	1,690x	8,349x	129 n		0.0 n	
	C-40 Carr Creek near Highmore	2,070	7,221x	73		0.0 n	
	C-41 Plateau Creek near Collbran	49,470	62,530	1,260		5.9	
1936	C-42 Plateau Creek near Cameo	63,240x	112,300	1,500 n		19.0 n	
1936	C-43 Buzzard Creek near Hightberger	12,820x	18,352x	402 n		0.0 n	
	C-44 Buzzard Creek near Collbran	23,990	23,220	450		0.4	
#1938	C-45A Gunnison River at Lola	---	---	--		--	
	C-47 Gunnison R. & Redlands Canal nr. Grand Jct.	1,753,000	1,496,000	15,100		211.0	
	C-48 East River at Almont	297,500	208,200	2,440		36.0	
	C-49 Taylor River at Almont	288,400	197,200	1,940		52.0	

1630. The first settlement was made by a company of Puritans, who came from England, and settled in the town of Boston.

1634. The first church was founded, and the first school was opened.

1639. The first court was held, and the first law was made.

1643. The first meeting-house was built, and the first library was founded.

1646. The first hospital was founded, and the first almshouse was opened.

1650. The first university was founded, and the first college was opened.

1654. The first printing-house was founded, and the first newspaper was published.

1657. The first theatre was founded, and the first opera was performed.

1660. The first library was founded, and the first school was opened.

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge	Sec-Feet min.
		1936	1937		
COLORADO RIVER					
#1938	C-49C Tonichi Creek at Sargent's	---	---	---	---
#1938	C-49D Tonichi Creek near Gunnison	---	---	---	---
1938	C-49½ Quartz Creek near Ohio	---	---	---	---
1938	C-49 ¾ Cebolla Creek at Powderhorn	---	---	---	---
	C-50 Lake Fork at Lake City	70,880	53,720	573	8.0 n
1938	C-50½ Lake Fork near Gateview	---	---	---	---
	C-51 Henson Creek at Lake City	74,160	57,520	596	11.0
	C-52 North Fork Gunnison near Somerset	330,600	283,400	3,300 n	38.0
	C-54 East Muddy Creek near Ragged Mountain	36,702x	Discontinued	658 n	0.6 n
	C-55 East Muddy Creek near Bardine	49,952x	46,240x	678 n	6.0 n
	C-56 Leroux Creek near Cedaredge	---	34,532x	496 n	4.5 n
	C-58 Surface Creek at Cedaredge	15,440	21,740	456	1.3
	C-61 Uncompahgre River at Colona	141,600	157,100	1,160	50.0
	C-64 Kannah Creek near Whitewater	*17,150	*17,860	425	0.5 n
	Diversion Grand Jct. pipe line above C-64	5,110	4,930	---	---
	C-65 Dolores River at Dolores	290,800	395,700	3,550	49.0
1937	C-65½ Dolores River at Gateway	---	648,820x	7,790 n	96.0 n

Notes - *-Not corrected for upstream diversion.

*-Total diversion shown. Approximately 50% is Fraser River water and 50% Vasquez Creek water.

#-Station reestablished.

x-No record during winter months.

n-New maximum or minimum recorded since 1935.

ANNUAL RUN-OFF AND MAXIMUM AND MINIMUM AVERAGE 24-HOUR DISCHARGE FOR WATER YEARS 1936 & 1937

All Colorado Stations with Data Subsequent to 1935*

*(Date of Termination of Figures in Publication "Data On Stream Gaging Stations of Colorado, February, 1938".)

Number	Name of Station	Annual Run-Off in Acre-Feet		Ave. 24-hr. Discharge	Sec-Feet
		1936	1937		
GREEN RIVER					
G-1	Green River near Linwood, Utah	1,700,000	1,368,000	14,700 n	227.0
G-2	Yampa River at Steamboat Springs	358,270x	231,170	3,660	45.0
G-4	Yampa River near Maybell	1,091,260x	939,600	10,480	106.0
G-6	Elk River at Clark	254,790x	261,300	2,650	24.0 n
G-13	Little Snake River near Dixon, Wyo.,	---	---	--	--
G-14	Little Snake River near Lily	333,578x	466,720x	5,080	0.0
G-17	Slater Fork near Slater	36,670x	54,215x	639	0.0
G-21	White River near Meeker	418,800	329,600	2,640	193.0
G-22	White River near Watson, Utah	471,600	392,000	2,750	131.0

Notes - x-No record during winter months.

n-New maximum or minimum recorded since 1935.

All Colorado Stations for which Data are Available

[illegible]

---Record not available, May 1st, 1939.

x No record during winter months.

*Not corrected for upstream diversion. See page 86c.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	12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Annual Run-Off in Acre-Feet for Water Year 1938
All Colorado Stations for which Data are Available

Rio Grande (cont'd)	San Juan	San Juan (cont'd)	Colorado (cont'd)	
R-10	S- 1	117,861x	C-16	*10,215
R-11	S- 2	345,040	C-17	33,319
R-12	S- 4	1,096,160	C-18	4,759x
R-12A	S- 5	2,486,960	C-19	21,536
R-13	S- 6½	78,107	C-20	42,917
R-14	S- 7	151,458x	C-21	2,855x
R-15	S- 7½	35,180	C-22	4,946x
R-16	S- 8	81,832	C-23	3,610x
R-17	S- 8½	17,873	C-24	11,053
R-19	S- 8 3/4	99,320	C-25	8,026x
R-19½	S- 9	120,280	C-26	24,942
R-21	S-10	142,460	C-27	111,810
R-22	S-11	12,751	C-28	134,010
R-23	S-11½	95,459	C-29	87,560
R-24	S-12½	51,793	C-29½	458,860
R-26	S-12½	57,413	C-30	61,936
R-26½	S-12 7/8	30,124x	C-31	97,360
R-27	S-13	351,340	C-34	*81,330
R-28	S-14	280,629	C-10	15,414,800
R-29	S-15	93,282x	C-12	90,662
R-30	S-17	709,570	C-13	67,161
R-31	S-19	87,920x	C-15	*11,646
R-32	S-20	41,335	C-15½	151,850

x-No record during winter months.

*-Not corrected for upstream diversion. See page 860.

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1871-1872

1873-1874

1875-1876

1877-1878

1879-1880

1881-1882

1883-1884

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Annual Run-Off in Acre-Feet for Water Year 1938
All Colorado Stations for which Data are Available

Colorado (cont'd)	Colorado (cont'd)	Green
G-43	41,834x	G-1 1,533,060
G-44	55,055	G-2 374,200
G-45A	599,740x	G-4 1,228,170
G-47	2,453,660	G-6 288,050
G-48	275,850	G-13 378,594x
G-49	226,250	G-14 480,470
G-49C	36,530x	G-17 70,118
G-49D	109,220x	G-21 495,510
G-49½	37,330x	G-22 599,380
Arkansas River Basin		
Diversion by water-works above station A-5		42,510 acre-feet.
Colorado River Basin		
Diversion by Moffat Tunnel		
From Fraser River above station.		42,977
From Vasquez Creek above station		22,303
		20,674
Diversion by Twin Lakes Tunnel above station		
C-34		45,462

THE STATE OF NEW YORK
IN SENATE
JANUARY 10, 1894.

REPORT
OF THE
COMMISSIONER OF THE LAND OFFICE
IN RESPONSE TO A RESOLUTION
PASSED BY THE SENATE
MAY 1, 1893.

ALBANY:
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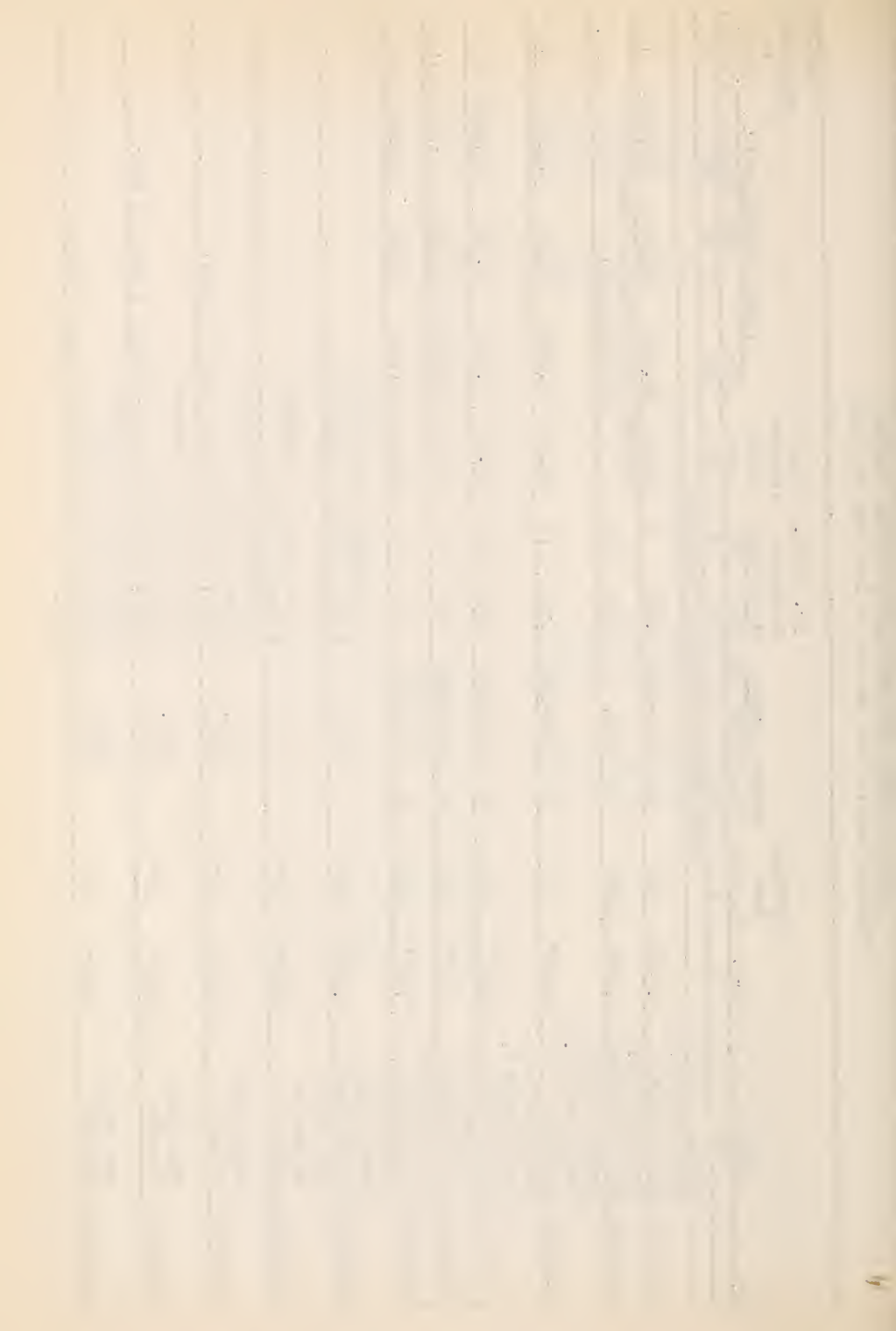
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DATA ON STREAM FLOW FROM CAGING STATION RECORDS
Stations Inactive with Records of Less Than Ten Years

No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Avo. 24-hr. Discharge			Annual Run-Off Ac-Ft.	Run-Off Equivalent in inches		
						Max.	Min.	Feet		Max.	Min.	M'n. An'l
1	2	3	4	5	6	7	8	9	10	11	12	13
NORTH PLATTE RIVER BASIN IN COLORADO												
North Platte R.												
NP-2A-05	near Cowdrey	7,750*	610	2x	1904-1905	2,056	5	216.6	165,230	148,790E	156,540x	4.8
North Platte R.												
NP-3A-04	near Pinkhampton	7,590*	1,480	1x	1904,	2,540	100	Included with Northgate figures by State Engineer.				
North Fork of												
NP-5A-05	North Platte R. at Highozo	8,200*	74	2x	1904-1905	280	15	46.6	34,655E	33,272	33,691x	8.5
North Fork of												
NP-5B-28	North Platte P. near Walden	8,000*	168	5x	1924-1928	636	19	82.9	77,700	40,780	59,880x	6.7
Michigan River												
NP-8A-05	near Cowdrey	7,750*	509	2x	1904-1905	760	6	66.4	52,079	44,195E	47,980x	1.8
Canadian River												
NP-11A-31	near Cowdrey	7,700*	201	5x	1929-1931	600	1	39.5	40,176E	18,646	28,567x	2.7
Laramie River												
below Laramie												
NP-13A-13	Poudre Tunnel West Branch	8,550*	50*		1913,	(Miscellaneous Discharges) 3 May, 5 June, 4 July, 1 Sept..						
Laramie at												
NP-15A-12	mouth	8,600*	18*		1912	(Miscellaneous Discharges) 4 June, 1 July						
Rawah Creek												
NP-15B-13	at mouth	8,400*	12*		1912, 1913,	(Miscellaneous Discharges) 4 June, 1 July 3 May, 5 June, 5 July, 2 Aug., 2 Sept.						
Nunn Creek												
NP-15C-13	at mouth	8,300*	15*		1912, 1913,	(Miscellaneous Discharges) 4 June, 1 July 7 May, 14 June 10 July, 2 Aug., 1 Sept., 1 Oct..						
Stub Creek												
NP-15D-13	at mouth	8,280*	4*		1912, 1913,	(Miscellaneous Discharges) 1 May, 4 June, 1 July 5 May, 12 June, 10 July, 3 Aug., 1 Sept.,						



No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr.		Mean Discharge Second	Annual Run-Off Ac.-Ft.	Run-Off Equivalent in inches		
						Discharge				Max.	Min.	Mean
						Max.	Min.					
1	2	3	4	5	6	7	8	9	10	11	12	13
Laramie River (Continued)												
McIntyre Creek												
NP-15E-13	at Glendevy	8,300*	19	1x	1913, 1904-1905	156	9	12.3	8,923	8,923	8,923x	8.8
						422	6	40.4	30,021E	28,571E	29,196x	16.6
McIntyre Creek												
at												
NP-15F-05	Gleneyre	7,980*	33	2x	1912, 1913,	(Miscellaneous Discharges)						
						1 May, 5 June, 2 July.						
						6 May, 7 June, 6 July.						
NP-15G-12	Jimmy Creek					(Miscellaneous Discharges)						
						1 May, 3 June, 1 July..						
La Garde Creek												
						(Miscellaneous Discharges)						
NP-15H-12	2 mi. above mouth	8,000*	27*		1912	1 May, 4 June, 2 July.						
La Garde Creek												
NP-15I-13	at mouth	7,900*	30*		1913,	(Miscellaneous Discharges)						
						4 May, 12 June, 10 July, 5 Aug., 2 Sept., 1 Oct.						
NP-15J-12	Forrester Creek					(Miscellaneous Discharges)						
						1 May, 2 June, 2 July.						
Grace Creek												
						(Miscellaneous Discharges)						
NP-15K-13	at mouth	7,790*	8*		1912, 1913,	2 May, 4 June, 2 July						
						6 May, 9 June, 10 July, 5 Aug., 1 Sept., 1 Oct..						
Stuck Creek												
						(Miscellaneous Discharges)						
NP-15L-13	at mouth	7,700*	30*		1912, 1913,	2 May, 3 June, 2 July						
						6 May, 10 June, 9 July, 4 Aug., 1 Sept.						

SOUTH PLATTE RIVER BASIN IN COLORADO

Little South														
Platte above														
SP-0A-17	Tumbling Creek	10,000*	17*	1x	1917,	72	6	5.2	3,811	3,811	3,811x	4.2		
Little South														
Platte Main														
SP-0B-17	Road	9,450*	90*	1x	1917,	366	12	26.9	19,452	19,452	19,452x	4.0		

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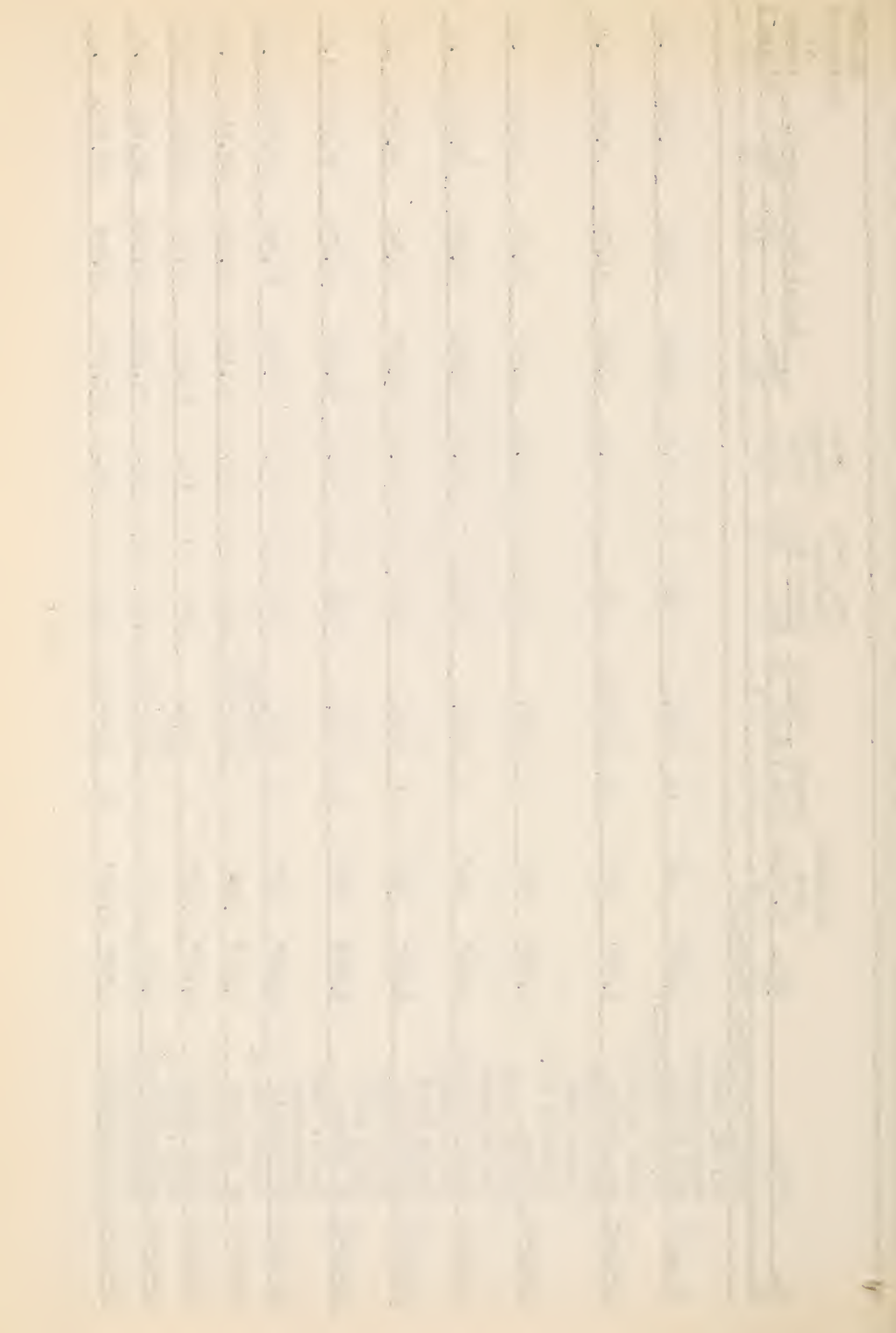
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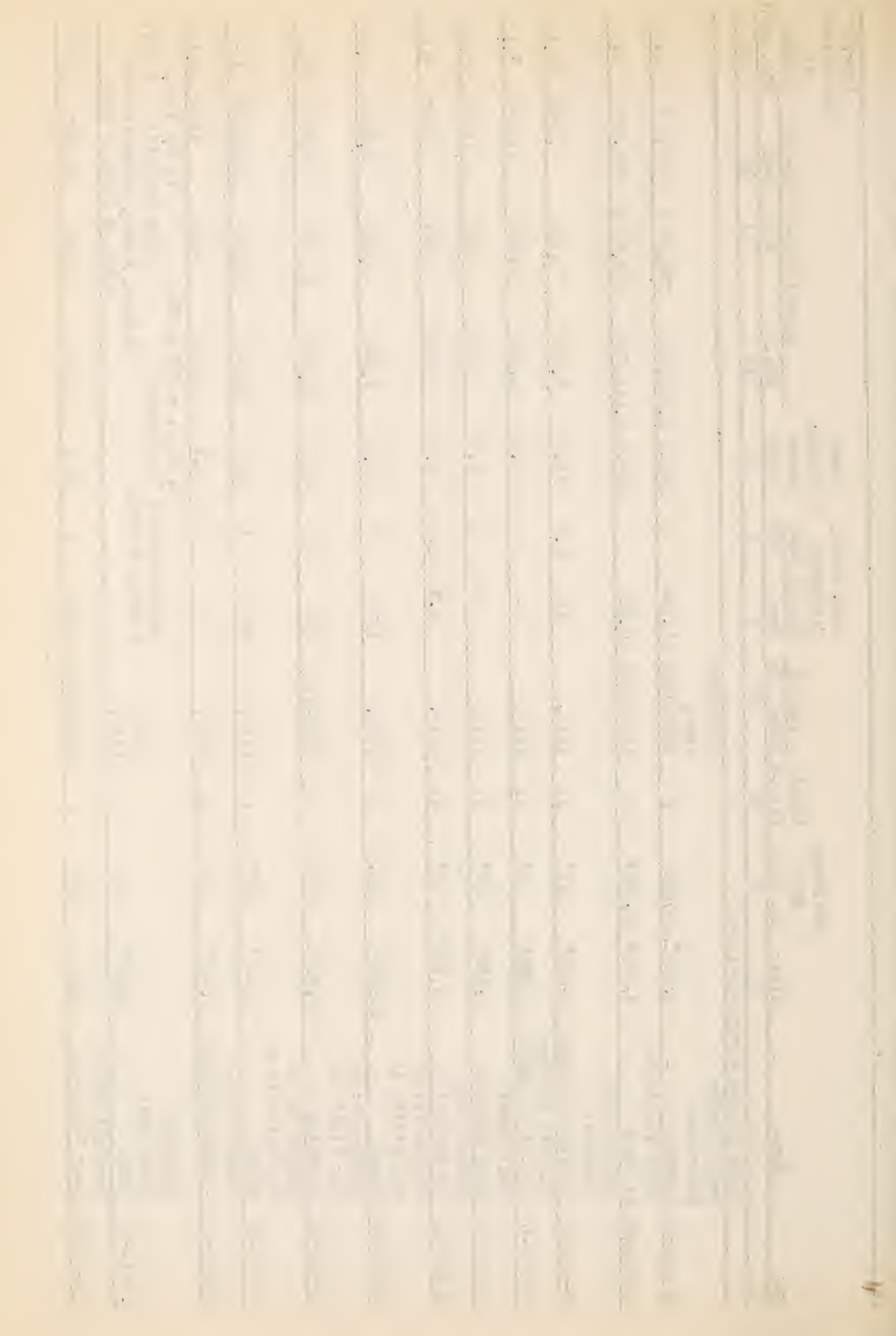
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No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off			Run-Off Equivalent in inches
						Max.	Min.	Second	Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13
South Platte River (Continued)												
So. Fk. South Platte River at Twin Bridges												
SP-1A-17		9,400*	94*	1x	1917,	452	10	31.3	22,651	22,651	22,651x	4.5
So. Fk. South Platte River at Antero												
SP-1B-17		9,150*	120*	2x	1916-1917	300	6	26.9	21,508	15,750	19,468x	3.0
So. Fk. South Platte River at Antero Res.												
SF-2A-16		9,000*	200*	1x	1916,	244	8	43.9	31,727	31,727	31,727x	3.0
So. Fk. South Platte River above Fourmile												
SP-2B-16		8,950*	250*	1x	1916,	233	7	41.5	30,021	30,021	30,021x	2.2
So. Fk. South Platte River at Buckleys												
SF-2C-16		8,900*	550*	1x	1916,	316	34	70.2	50,747	50,747	50,747x	1.7
So. Fk. South Platte River at Spinney												
SP-2D-16		8,600*	770*	1x	1916,	655	13	66.7	48,173	48,173	48,173x	1.1
So. Fk. South Platte River at Idlewild												
SP-3A-16		8,300*	920*	1x	1916, 1887-1891	534	13	79.8	57,703	57,703	57,703x	1.1
South Platte R. at Deansbury												
SP-8A-97		6,085*	2,609	7	1896-1897	2,195	51	272.9	253,493E	143,351E	197,216	1.4
South Platte R. below Intake												
SP-8B-26		5,600*	2,617*	1	1926, 1892,	2,480	10	441.2	318,840	318,840	318,840	2.2
South Platte R. at Platte Canon												
SP-8C-00		5,507	2,620	3	1893-1900	2,745	10	439.3	330,509E	303,718E	317,489	2.3
South Platte R. at Platteville												
SP-12A-05		4,790*	6,000*	2x	1904-1905	4,500	4	254.6	183,985	183,985	183,985x	0.6



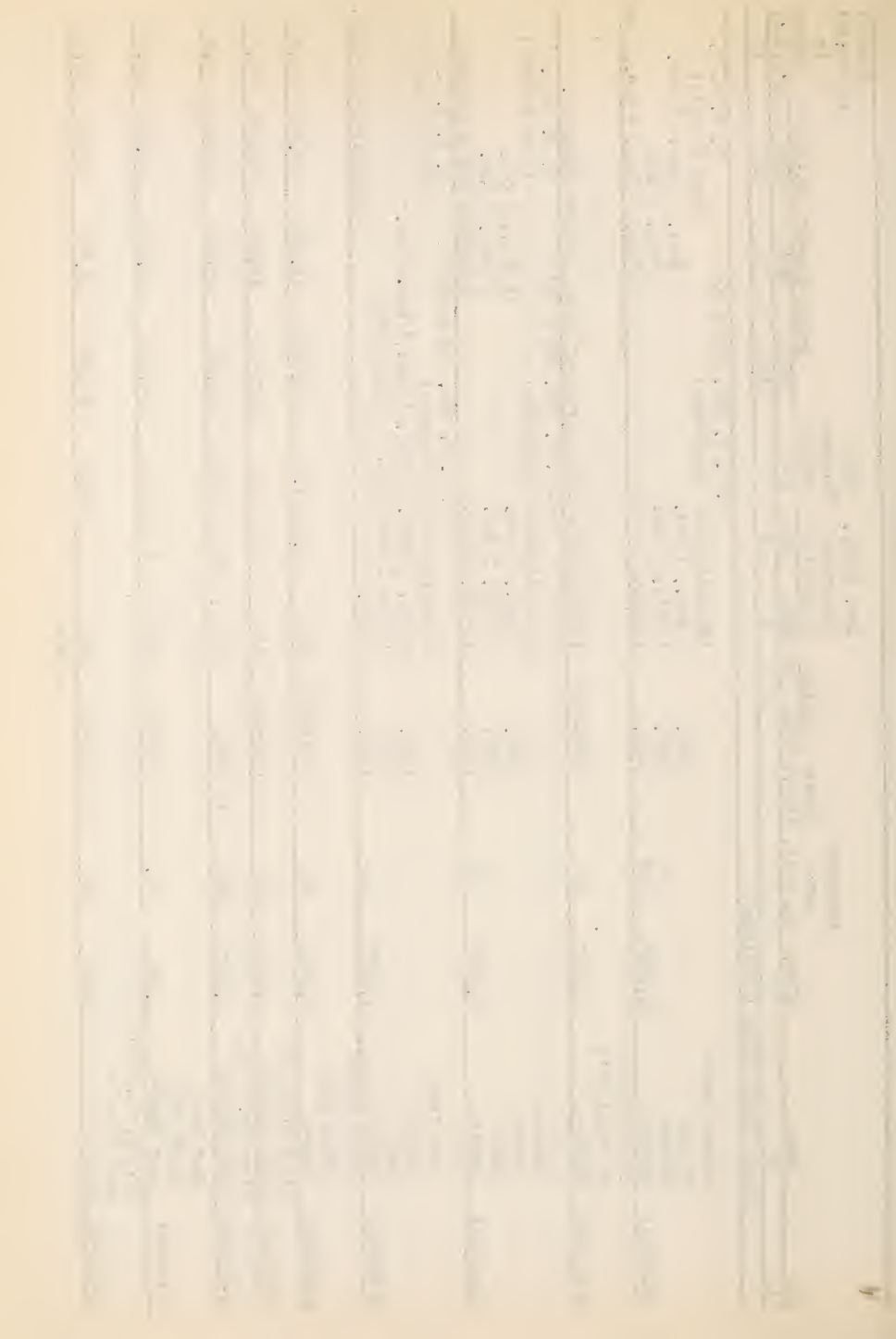
No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period		Ave. 24-hr.		Mean Second Feet	Annual Run-Off			Run-Off Equivalent in inches
					From	To	Discharge Second Feet	Max.		Min.	Mean		
1	2	3	4	5	6	7	8	9	10	11	12	13	
South Platte River(continued)													
South Platte													
River near													
SP-14A-06	Orchard	4,400*	12,260	6	1905-1906	11,159	0	1141.9	1,462,313	278,797E	825,287	1.2	
SP-15A-24	at Ovid	3,480*	20,500*	3	1922-1924	16,000	7	902.6	1,111,770	307,802E	652,339	0.6	
Twelve mile Creek at													
SP-16A-17	Raford's Ranch	10,000*	12*	1x	1917,	143	1.5	10.8	7,792	7,792	7,792x	12.1	
SP-16B-17	Buffalo Springs Br. at 63 Ranch	9,380*	3*	1x	1917,	-	-	1.6	1,136	1,136	1,136x	7.1	
SP-16C-17	Salt Creek near Hartsel	9,150*	32*	1x	1917,	6	1	0.9	663	663	663x	0.3	
SP-16D-17	Poney Creek at Hartsel	9,150*	12*	1x	1917,	3.3	1.3	0.8	594	594	594x	0.9	
Middle Fk. of So. Platte at													
SP-16E-16	Alma	10,285	23.7	1x	1916,	137	7	13.3	9,580	9,580	9,580x	7.6	
Middle Fk. of So. Platte at													
SP-16F-17	Fairplay	9,900	82.3	2x	1916-1917	475	29	65.8	49,580	44,440	47,580x	10.8	
Middle Fk. of South Platte at													
SP-18A-16	mouth	8,900*	225*	1x	1916,	281	4	29.0	20,993	20,993	20,993x	1.7	
SP-18B-17	Beaver Creek above Fairplay	9,900*	13*	1x	1917,	6	0.3	0.6	423	423	423x	0.6	
W. S. P. - 306 & 326 (Miscellaneous Discharges) U. S. G. S. (Gage Heights) 3 Nov.													
Tarryall Creek near													
SP-21A-12	Como	9,600*	44*	-	1911, 1912,					3 July, 4 Aug, 5 Sept., 4 Oct, 3 May, 4 June, 1 July.			
SP-21B-17	Tarryall Creek near Jefferson	9,500	223	6	1912-1917	1,320	1	50.9	59,282	22,209	36,600	2.7	

W. S. P. - 306 & 326
(Miscellaneous Discharges)
1 July, 2 Sept.
3 July, 4 Aug., 5 Sept., 4 Oct.,
3 May, 4 June, 1 July.



No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr.		Mean Second Feet	Annual Run-Off		Equivalent in M'n. Ar. 1	
						Discharge	Discharge		Max.	Min.		
												Drainage Area
1	2	3	4	5	6	7	8	9	10	11	12	13
South Platte River (Continued)												
W. S. P. - 326 (Miscellaneous Discharges)												
Tarryall Creek												
McLaughlin's												
Ranch near												
SP-22A-12	Hwyman	8,500*	459*		1910, 1911, 1912,	3 Oct., 6 Nov.. 1 Jan., 2 Apr., 6 July, 5 Sept., 6 Oct., 2 Nov. 3 April, 3 May, 2 June,						
W. S. P. - 286, 306 & 326. U. S. C. S. (Miscellaneous Discharges)												
Michigan												
Creek near												
SP-24A-12	Jefferson	9,450*	25*		1910, 1911, 1912,	1 Oct., 1 Nov.. 1 Jan., 1 Apr., 1 July, 2 Sept.. 1 Apr., weekly for year weekly, April to July						
W. S. P. - 286, 306 & 326. U. S. G. S. (Miscellaneous Discharges)												
Jefferson												
Creek												
at												
SP-25A-12	Jefferson	9,500*	17*		1910, 1911, 1912,	1 Oct., 2 Nov., 1 Dec.. 1 Jan., 1 Apr., 2 Sept.. 1 April, 15 May, 10 June, 4 July						
W. S. P. - 436. U. S. G. S. (Miscellaneous Discharges)												
SP-25B-16	Rock Creek	8,800*	44	1x	1916,	27.8	0.4	0.8	602	602	602x	0.2
North Pk. of												
South Platte												
SP-26A-17	at Grant	8,566	51	7	1911-1917	395	0.4	30.7	41,466	15,636	22,200	8.2
North Pk. of												
South Platte												
SP-26B-13	at Cassells	8,500*	128	6	1908-1913	704	7	84.0	77,893	48,840	60,700	9.0
W. S. P. 266, 286, & 306. U. S. G. S. (Miscellaneous Discharges)												
Geneva Creek												
above												
Jackwhacker												
SP-27A-11	Creek	10,650*	5*		1909, 1910, 1911,	1 Aug., 1 Oct. 1 July						
2 Aug., 1 Sept., 1 Oct.. 1 July, 1 Aug.. (1 June, 2 July, 4 Aug., 3 Sept. (3 Oct., 3 Nov..												

No.	Name	Elev.	Sq. Mile.	Drainage Area	Length (Yrs.)	Period From To	Ava. 24-hr. Discharge		Mean Second	Annual Run-Off Ac.-Ft.			Equivalent in inches
							Max.	Min.		Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13	
South Platte River (Continued)													
Geneva Creek													
at old													
Geneva													
SP-27B-11	Smelter	10,050*	12*	1909, 1910, 1911,									
Geneva Creek													
at Sullivan's													
SP-27C-12	Ranch	9,300*	49	1908-1912		Included with Geneva Creek at Grant by State Engineer.			W. S. P. 266, 286 & 306 (Miscellaneous Discharges)		U. S. G. S. (Gage Heights)		
Smelter													
Creek													
near													
SP-28A-11	Grant	10,150*	6*	1909, 1910, 1911,									
Duck Lake													
Creek													
near													
SP-28B-11	Grant	9,700*	8	1909, 1910, 1911,									
Scott Gomer													
Creek near													
SP-28C-13	Grant	8,570	21	3	1911-1913	100	2.4	17.0	12,400	11,900	12,300	11.0	
Clear Creek at													
SP-31A-12	Idaho Springs	7,540	239	2	1911-1912	126	25	181.7	167,710	94,940	131,325	10.3	
Clear Cr. 7 mi.													
SP-32A-88	above Golden	6,320*	338	1x	1888,	496	44	79.2	57,287	57,287	57,287x	2.8	
West Fork													
Clear Creek													
SP-34A-31	near Empire	8,300	57.3	3	1929-1931	588	8	62.7	54,318	34,282	45,309	14.8	
No. Fk. St. Vrain													
near Allen's													
SP-35A-30	Park	8,250	33	5	1926-1930	433	4	62.8	49,050	43,233	45,364	25.8	



No.	Name	Elev.	Drainage Area Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge		Second Feet	Annual Run-Off Ac.-Ft.			Equivalent in inches M'n. An'l
						Max.	Min.		Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13
South Platte River (Continued)												
North Fork												
SP-35B-17	St. Vrain	6,280	100	2	1916-1917	788	8	109.9	92,973	67,835	79,426	14.9
North Fork												
SP-36A-92	St. Vrain	5,400*	123	1x 1892,	1926,	620	32	78.3	56,599	56,599	56,599x	8.6
SP-36A-31	So. St. Vrain	9,000*	15	4	1929-1931	307	2	32.2	28,843E	16,859	23,275	29.1
SP-36B-92	So. St. Vrain	5,550*	66	1x 1892,		876	19	75.2	54,360	54,360	54,360x	15.4
Middle St.												
SP-38C-30	Vrain near Allen's Park	7,550	28.5	5	1926-1930	312	3	44.6	37,032E	29,328	32,263	21.2
SP-38D-31	Leithand Creek near Boulder	5,500*	48.3	3	1929-1931	182	0	31.9	29,284E	19,337	23,026	8.9
Boulder Creek												
North Boulder												
SP-43A-31	Cr. near Nederland	8,300*	24.6	3	1929-1931	243	0	25.9	21,040E	14,873	18,710	14.3
Middle Boulder												
SP-43B-17	Creek above Cardinal Creek	8,183	32.3	7	1911-1917	698	2	57.1	51,396	25,456E	41,231	24.0
SP-46A-87	Fourmile Crk. at mouth	5,800*	42*	1 mo. 1887,		9	5	0.6	(1 month only Sept.)	436	0.2	
So. Boulder												
SP-46B-18	Creek at Rollinsville	8,500	39	8	1911-1918	542	5	60.3	59,916	29,537	43,600	21.0
Big Thompson River												
SP-52A-30	Little Thompson near Berthoud	5,000*	49.7	2	1929-1930	564	0.2	10.0	8,986	5,474E	7,231	2.7
Cache La Poudre												
SP-52B-31	above Chamber's Lake Outlet	8,500*	91	3	1929-1931	1,370	14	128.5	124,647E	65,170	92,900	19.1



No.	Name	Elev. Sq. Mile	Drainage Area	Length (Yrs.)	Period		Ave. 24-hr. Discharge		Mean Discharge Second	Annual Run-Off Ac.-Ft.			Run-Off Equivalent in inches
					From	To	Max.	Min.		Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13	
South Platte River(Continued)													
Cache La Poudre													
SP-52C-11	near Elkhorn	7,150	235	3	1909-1911	2,980	10	258.3	243,730	141,990	186,743	14.9	
Cache La Poudre													
SP-52D-31	near Log Cabin	7,150	235	3	1929-1931	2,560	9	261.1	262,878E	134,522	188,704	15.0	
Cache La Poudre													
near Ft. Collins													
SP-52E-11	Water Works	5,400	495	3	1909-1911	3,940	12	348.8	332,310	175,040	252,088	9.5	
South Fork													
Cache La Poudre													
near Eggers													
SP-54A-31	North Fork	7,900	69.3	3	1929-1931	329	18	52.9	47,208E	32,677	38,195	10.3	
Cache La Poudre													
at Livermore													
SP-54B-31	Lodgepole Creek	5,750	541	3	1929-1931	1,670	5	35.2	31,752E	13,848	25,440	0.9	
Lodgepole Creek													
SP-54C-24	at Ovid	3,531	--	1	1924,	96	3.4	23.4	16,939	16,939	16,939	--	
Lodgepole Creek													
SP-54D-26	at mouth	3,531	--	1x	1926,	17	0.3	3.5	2,503	2,503	2,503x	---	

ARKANSAS RIVER BASIN IN COLORADO

Arkansas R. near													
A-4A-89	Rock Canyon	4,750*	4,560	1x	1889,	4,375	405	406.2	293,567	293,567	293,567x	1.2	
Arkansas River													
A-5A-16	at Boone	4,440*	7,100*	1x	1916,	8,570	35	406.8	294,000	294,000	294,000x	0.7	
Arkansas R.													
near													
A-6A-98	Manzanola	4,240*	9,600*	--	1898,	W. S. P. 28. (Miscellaneous Discharges) U. S. G. S. (Gage Heights) May 2nd to Oct. 22.							
Arkansas R. near													
A-6B-03	Rocky Ford	4,150*	11,440	2	1901-1903	19,400	14	730.2	569,170E	486,270E	527,720	0.9	

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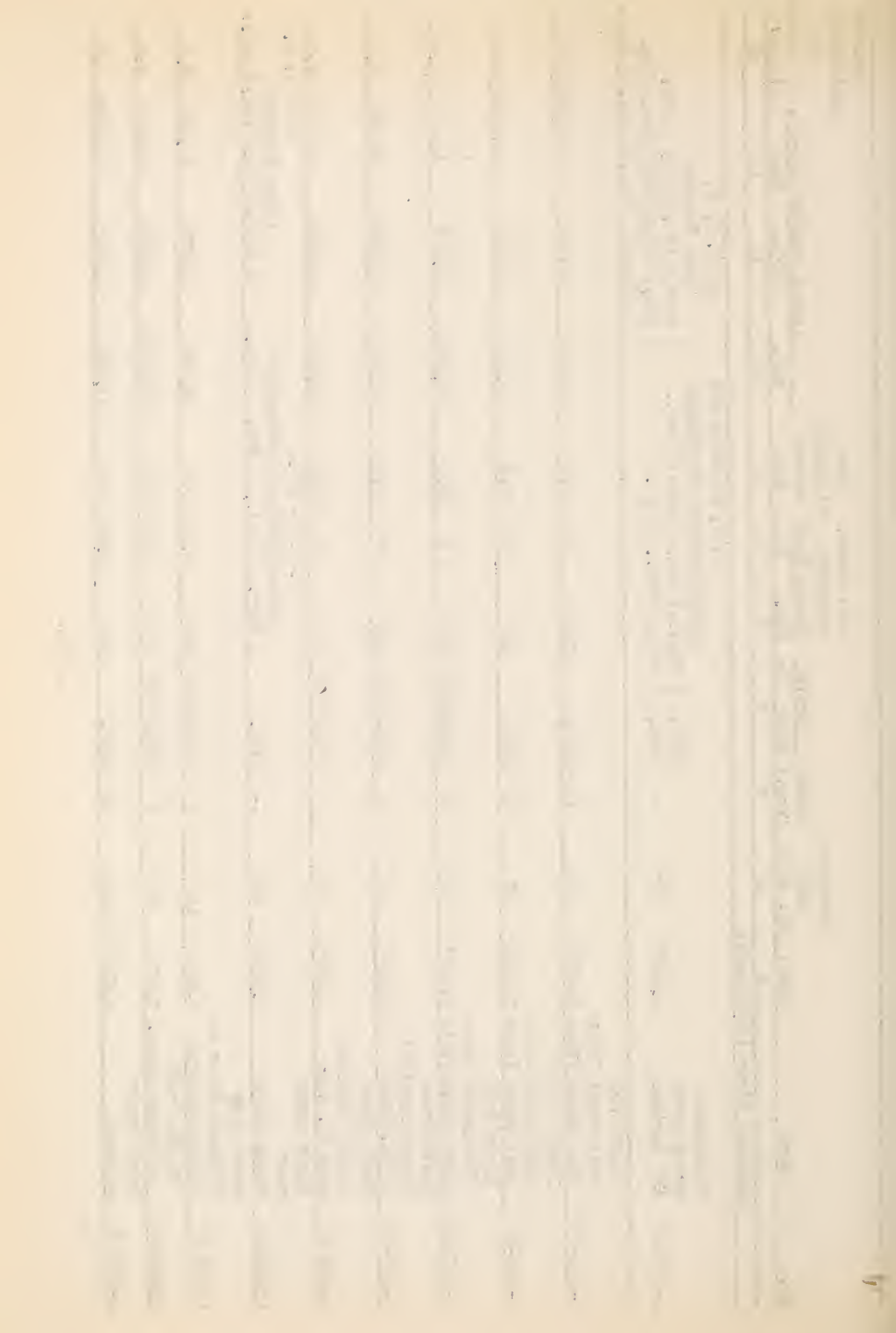
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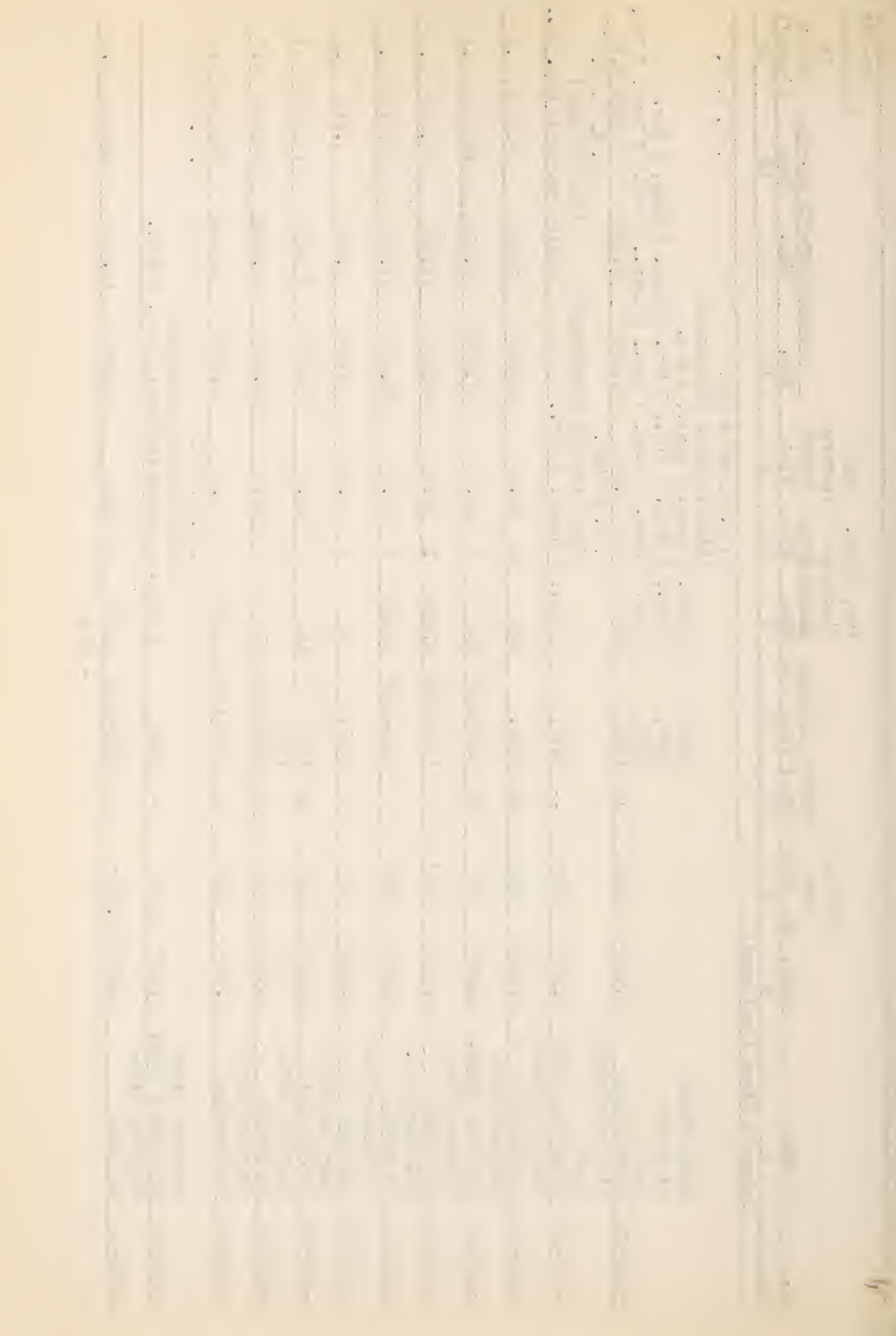
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No.	Name	Elev. Ft.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off			Run-Off Equivalent in inches
						Second	Feet	Min.	Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13
Arkansas River (Continued)												
Arkansas River												
at												
A-7A-09	Las Animas	3,875*	14,700*	--	1898, 1909,	W. S. P. 28 & 267 (Miscellaneous Discharges) 2 May			U. S. G. S. (Gage Heights) 18 in May; July 1.-Nov. 12. August to October 9th			
A-7B-11	at Ft. Lyon	3,835*	18,200*	1x	1911,	2,530	20	273.0	197,300	197,300	197,300x	0.2
A-7C-03	Arkansas River near Prowers	3,710*	19,100*	1x	1903,	17,370	0	421.3	304,466	304,466	304,466x	0.3
A-7D-00	Arkansas River at Prowers	3,665*	19,125	1x	1900,	7,140	0	692.0	500,131	500,131	500,131x	0.5
Arkansas River												
near Amity												
A-7E-98	Canal Hd. Gates	3,665*	19,140*	1x	1898,	685	6	67.3	48,660	48,660	48,660x	0.5
Arkansas River												
A-8A-03	near Granada	3,475*	23,478	1x	1903,	950	1	9.0	6,521	6,521	6,521x	0.5
Lake Fork Arkansas												
R. near Arkansas												
A-10A-90	Junction	9,750*	21	1x	1890,	528	19	67.9	49,065	49,065	49,065x	4.4
A-10B-14	Half Moon Creek near Leadville	9,675*	30	4x	1911-1914	205	3	26.3	19,024	19,024	19,024x	1.2
Lake Creek												
A-10C-00	Inter Lachen	9,190*	104	13mo.	1900,	106	36	6.8	4,937	4,937	4,937x	0.9
Twin Lakes Outlet												
A-10D-10	near Twin Lakes	9,175*	110*	2mo.	1910, 1890,	487	2	8.8	6,340	6,340	6,340x	1.1
Lake Creek												
A-10E-00	below Twin Lakes	9,175*	110*	3x	1899-1900 1890,	1,208	35	139.2	114,150E	88,540E	100,583x	17.1
Clear Creek												
A-10F-09	at Granite	8,900*	72	4	1907-1909 1890,	868	9	87.6	75,564	52,650	63,274	16.5
Cottonwood Creek												
A-10G-90	near Buena Vista				1890,	Twelfth Annual Report, Part 2, U. S. G. S. Diagram of daily discharge April 15th to September 5th.						

No.	Name	Elev. Sg. Mile	Drainage Area	Length (Yrs.)	Period From To	Avo. 24-hr. Discharge			Annual Run-Off			Run-Off Equivalent in inches
						Max.	Min.	Second Foot	Max.	Min.	Mean	
1	Arkansas River (Continued)	3	4	5	6	7	8	9	10	11	12	13
	Cottonwood Creek above Hot Springs	8,500*	70*	--	1910, 1 Sept., 1 Oct., 1 Nov., 1 Dec.. 1911, 1 Feb., 1 Mar., 1 Apr.						U. S. G. S. (Gage Heights) 2 Sept., 5 Oct., 5 Nov., 4 Dec.. 4 Jan., 1 Feb., 3 Mar., 8 Apr., 1 May, 19 June, 23 July, 25 Aug., 13 Sept.	
A-11A-90	South Fork Cottonwood Creek near Buena Vista	9,000*	28	1x	1890,	145	5	23.7	21,448	21,448	21,448x 14.4	
A-11B-90	Middle Fork Cottonwood Creek near Buena Vista	10,400*	37	1x	1890,	155	12	27.3	19,695	19,695	19,695x 10.0	
A-11C-13	North Fork Cottonwood Creek near Buena Vista	8,500*	50	2	1912-1913	102	4	23.0	20,089	13,347	16,544	6.2
A-11D-19	Chalk Creek (Upper Station) at St. Elmo	10,000	48	6	1914-1919	432	7	49.9	44,005	27,659E	36,084	14.1
A-11E-15	Chalk Creek (Lower Station) near St. Elmo	9,900*	75	5	1911-1915	621	8	84.0	77,120	44,647E	60,700	15.2
A-11F-10	Chalk Creek near Buena Vista	9,850*	85*	--	1910,						U. S. G. S. (Gage Heights) 1 Sept., 1 Oct., 1 Nov., 1 Dec.. 4 Sept., 3 Oct., 6 Nov., 3 Dec..	
A-11G-16	South Fork Arkansas River at Poncha Springs	7,471	140	8	1911-1918	632	1.3	55.9	52,150	28,272E	40,400	5.4
A-12A-18	Poncha Creek at Poncha Sprgs.	7,471	89	8	1911-1918	281	0.5	26.4	27,837E	12,439E	19,100	4.0
A-12B-23	Texas Creek at mouth	6,400*	150*	1x	1923,	154	0.3	16.1	11,633	11,633	11,633x 1.5	

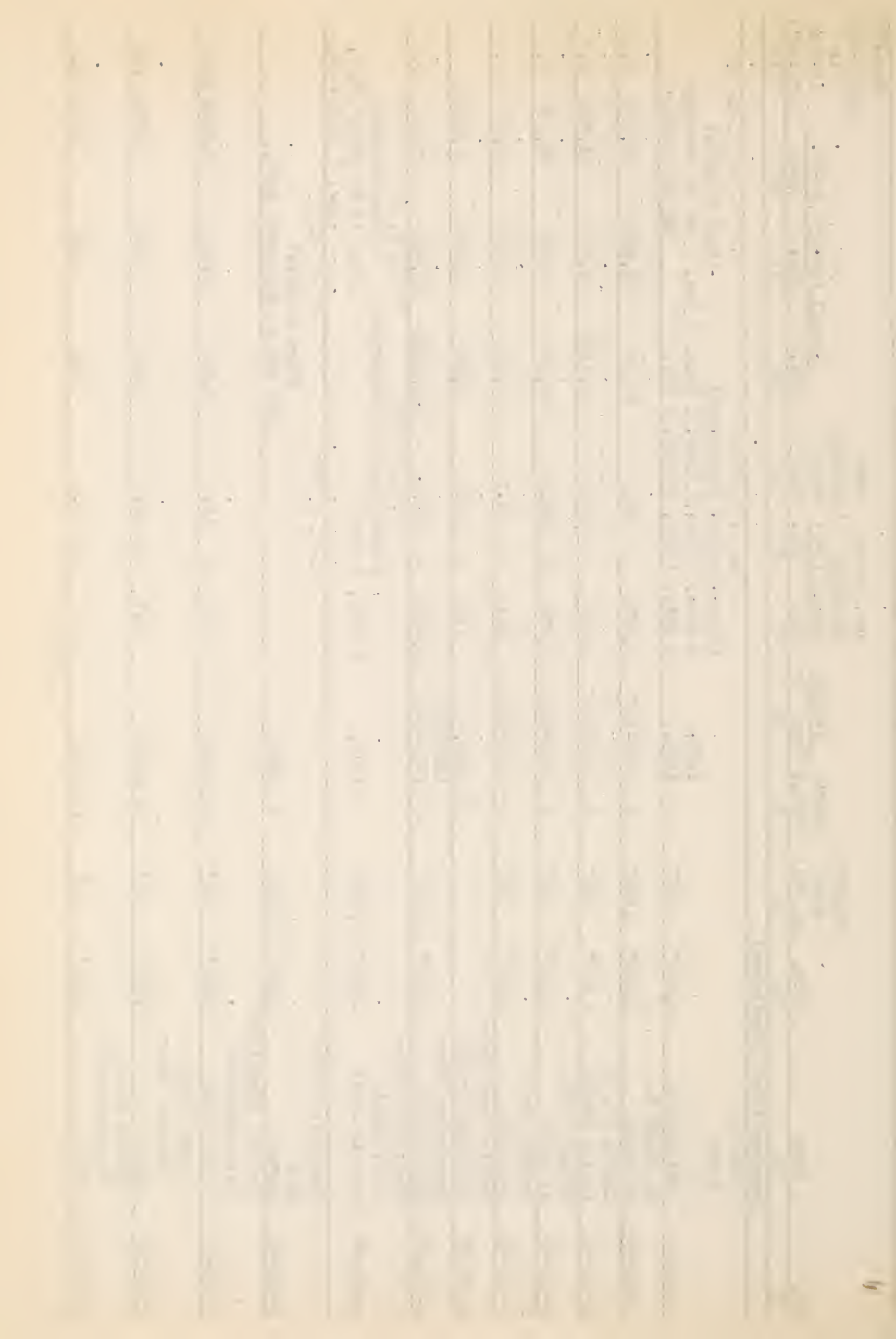


No.	Name	Elev.	Sq. Mile	Area	Length (Yrs.)	Period		Discharge		Ave. 24-hr.		Run-Off		Equivalent in inches
						From	To	Second	Feet	Min.	Max.	Min.	Max.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Arkansas River (Continued)														
W. S. P. 247 & 267.														
(Miscellaneous Discharges)														
1907, 1 July, 1 Aug., 1 Sept., 1 Nov.														
1908, 1 Feb., 1 Mar., 1 Apr., 1 May, 1 June, 2 July, 1 Nov.														
1909, 1 May, 1 June, 1 July, 1 Aug., 1 Sept., 1 Oct., 2 Nov., 3 Dec.														
A-15A-26	Canon City	5,400*	440*	1x	1928,	400	2	9.2	6,556	6,556				6.556x 0.3
Oil or Fourmile Creek														
W. S. P. 287.														
(Miscellaneous Discharges)														
1910, 1 Apr., 1 Sept., 1 Oct.,														
A-13B-10	near Canon City	5,265*	437*	--	1910,	122	15	24.6	17,750	17,750				17,750x 5.5
A-17A-26	at Manitou	6,300*	60*	1x	1926,									
A-17B-24	Fountain River	5,900	409	3x	1922-1924	505	4	49.7	47,256E	25,861E				35,946x 1.6
A-17C-25	at Colo. Sprgs.	4,675	886*	4	1922-1925	2,420	1	61.4	69,155	16,757				44,375 0.9
A-24A-25	at Pueblo	4,575*	488*	4	1922-1925	1,840	1	40.7	50,687	19,013				29,417 1.1
St. Charles R.														
at mouth														
Greenhorn Creek														
A-24B-23	at Rye	6,850*	12	1	1923,	32	1	6.8	4,918	4,918				4,918 7.6
A-25A-23	Huerfano River	7,500*	100*	1x	1923	143	1	19.8	14,320	14,320				14,320x 2.7
A-25B-25	at Hualcchite	6,400*	550	3	1923-1925	271	0	28.3	29,265	11,956E				20,455 0.7
A-25C-28	Huerfano River	5,625*	712*	5x	1924-1928	1,200	0	17.2	23,658E	5,940E				12,413x 0.3
at Huerfano														
W. S. P. 247.														
(Miscellaneous Discharges)														
1908, 1 July. - Stream dry Sept., Oct., & Nov..														
A-25D-08	near Under Cliff	4,800*	1,642*	--	1908,									U. S. G. S.
A-25E-25	Huerfano River	4,450*	1,810*	4	1922-1925	1,960	0	30.0	36,789	11,542				21,658 0.2
at mouth														



No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr.			Annual Run-Off Ac-Ft.	Run-Off Equivalent in inches			
						Discharge Second	Feet	Mean					
											Max.	Min.	Mean
1	2	3	4	5	6	7	8	9	10	11	12	13	
Arkansas River (Continued)													
Cucharas River													
at Walsenburg													
A-26A-08	Walsenburg	6,160*	267*	-	1907, 1908,								
A-26B-25	Apishapa R. at mouth	4,300*	1,105*	4	1922-1925	8,520	2	45.4	54,737	22,532E	32,800	0.6	
A-26C-27	Timpas Cr. at Catlin Syphon	4,160*	466*	5	1923-1927	2,380	0	58.1	71,910E	21,651	41,980	1.7	
A-26D-25	Timpas Creek at mouth	4,120*	529*	4	1922-1925	2,670	13	100.2	94,050	54,420	72,426	2.6	
A-26E-25	Crooked Creek at mouth	4,250*	79*	4	1922-1925	604	0	15.7	15,805	7,835E	11,370	2.7	
A-26F-27	Catlin Canal Waste at Timpas Creek			1x	1927, 1905-1907	118	0	13.4	9,653	9,653	9,653x		
A-27A-28	Purgatoire River near Alfalfa	5,250*	1,300	8	1924-1928	5,630	0	79.3	130,758E	30,981	57,300	0.8	
A-28A-98	Purgatoire River J. J. Ranch near La Junta	4,150*	3,260*	-	1898, 1 June, 1 Aug.								
Purgatoire River													
A-28B-09	Higbee No. Fk. Purgatoire River Trinidad Water Works	4,050*	3,300*	-	1909, 1x 1923,								
A-30A-23	Brown Creek Trinidad Water Works	9,000*	15*	1x	1923,	44	10	11.2	8,322	8,322	8,322x	10.4	
A-30B-23	Cherry Creek Trinidad Water Works	9,500*	10*	1x	1923,	8.9	0.3	1.2	876	876	876x	1.6	
A-30C-23		9,500*	10*	1x	1923,	3	0.2	0.4	259	259	259x	0.5	

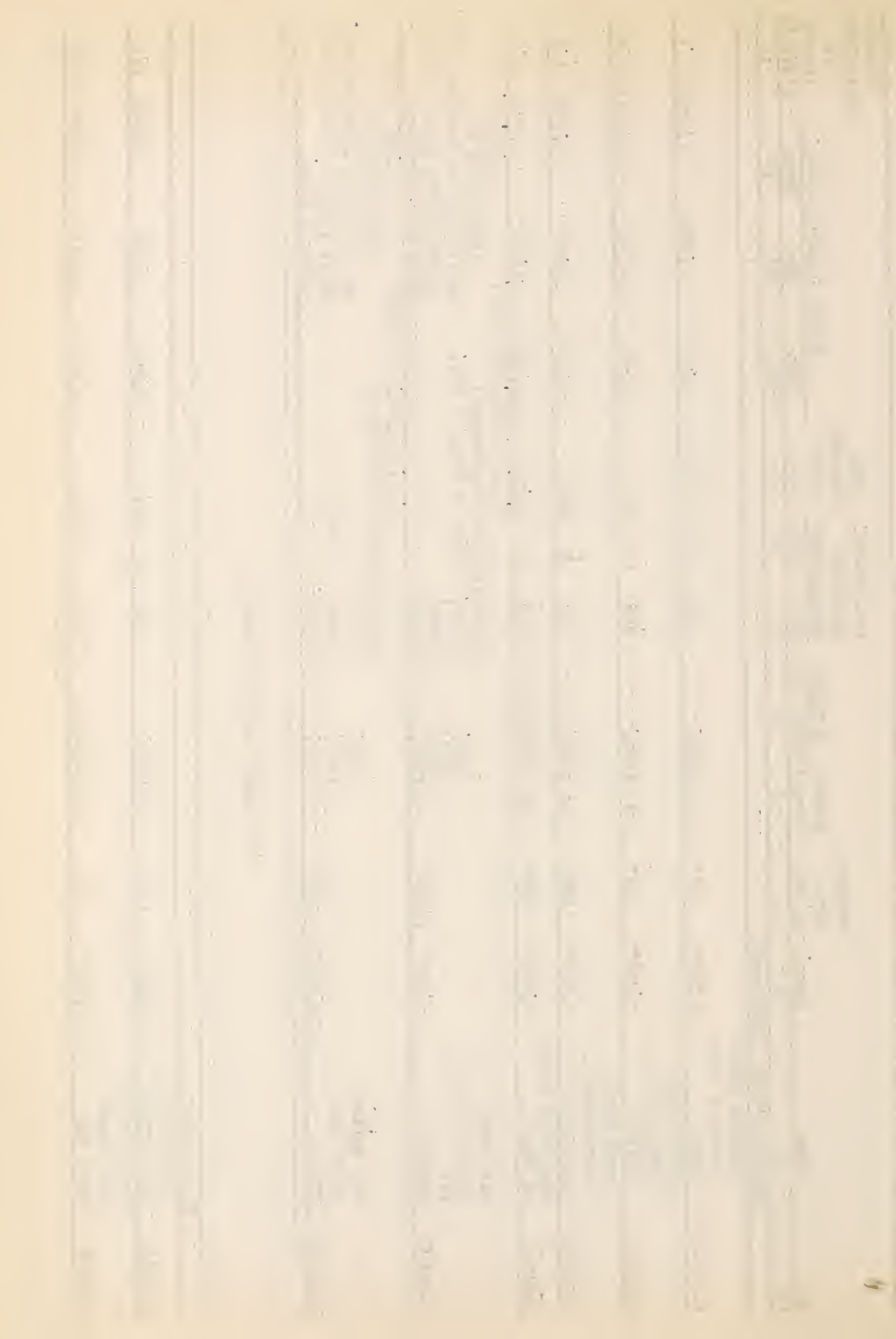
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No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off			Run-Off Equivalent in inches
						Max.	Min.	Feet	Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13
Arkansas River (Continued)												
Whiskey Creek												
Trinidad Water												
A-30D-23	Works	9,500*	10*	1x	1923,	34	3	5.7	4,086	4,086	4,086x	7.7
Middle Fork												
A-30E-23	Purgatoire R. at Vigil	7,450*	29*	1x	1923,	500	10	20.6	14,910	14,910	14,910x	9.6
South Fork												
A-30F-23	Purgatoire R. at Weston	7,000*	170*	1x	1923,	249	8	20.6	14,918	14,918	14,918x	1.6
A-30G-12	Big Sandy Creek at Hugo	5,025*	555*	3x	1910-1912	236	0	2.5	1,771	1,771	1,771x	0.6
						W. S. P. 287, 307 & 327. (Cage Heights)						
						U. S. G. S.						
						(Miscellaneous Discharges)						
						1 May, 1 June, 1 July, 2 Aug.						
						(none)						
						1 June.						
						Stream, flowed only 5 days.						
						April to September.						
A-30H-12	Carson	4,275*	1,100*	-	1912,	W. S. P. 287, 307 & 327 (Cage Heights)						
						U. S. G. S.						
						(Miscellaneous Discharges)						
						(none)						
						1 April, 1 July.						
						1 June.						
A-30I-12	Big Spring Creek near Arena	4,215*	295*	-	1912,	April 11th to November 5th. April 19th to October 31st. March to June.						

RIO GRANDE BASIN IN COLORADO

Rio Grande												
Clear Creek												
R-8A-10	near Creede	9,000*	139	1x	1910,	58	40	11.1	8,040	8,040	8,040x	1.1
Goose Creek												
near Wagon												
R-8B-26	Wheel Gap	8,800*	49	2	1925-1926	360	8	61.4	54,210	34,031	44,388	17.0



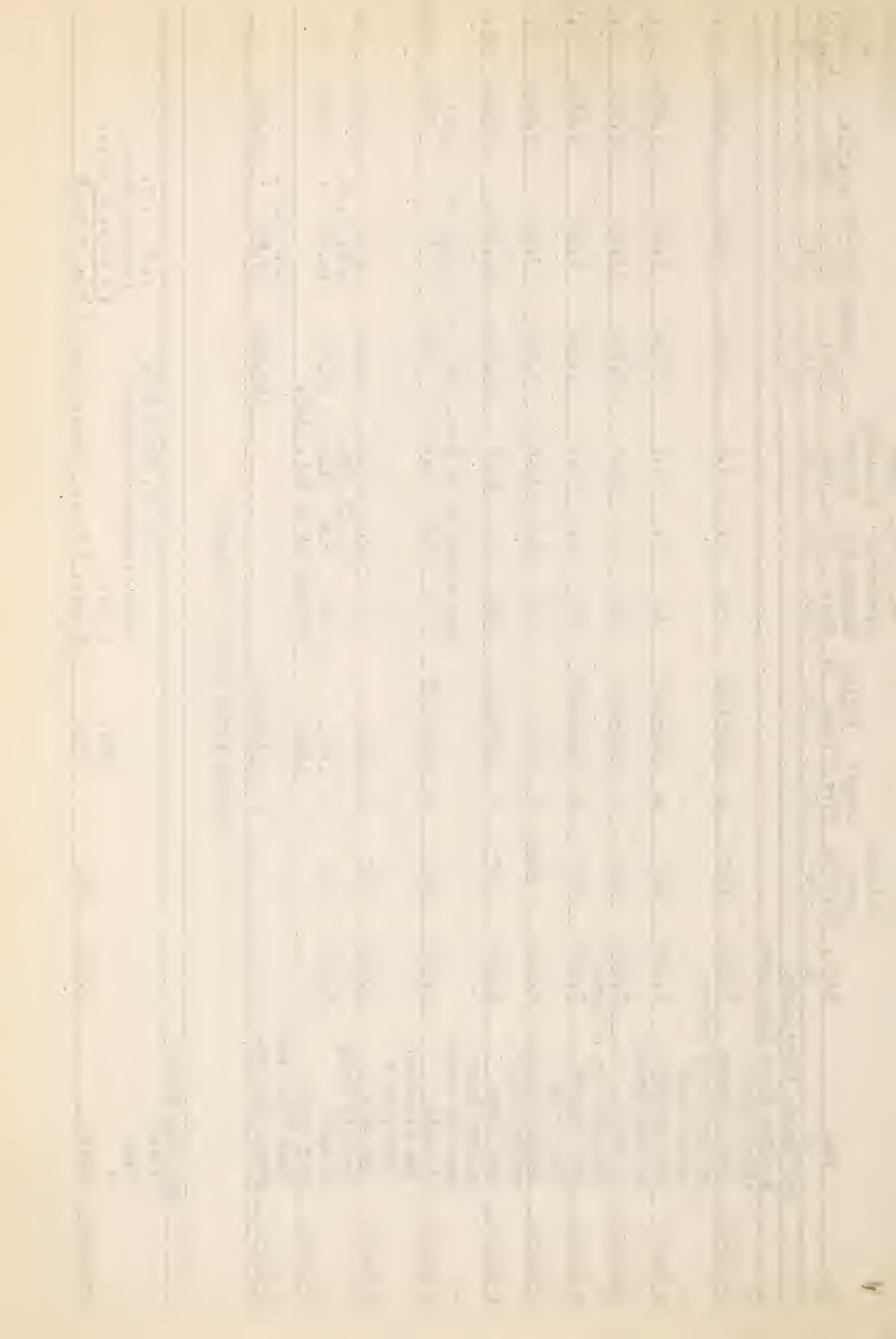
No.	Name	Elev.	Sq. Mile	Drainage Area	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off Ac.-Ft.			Run-Off Equivalent in inches
							Max.	Min.	Feet	Max.	Min.	Mean	
1	2	3	4		5	6	7	8	9	10	11	12	13
Rio Grande (Continued)													
San Francisco													
#	Creek near												
R-12A-36	Del Norte	8,800*	16*	1x	1936.		22	2	2.9	2,076	2,076		2,076x 2.4
R-12B-26	San Luis Creek near Villa Grove	7,962	218	6	1911-1912								
					1922-1926		334	1	20.3	33,332	5,484		14,700 1.3
R-12A-22	Kerber Creek below Villa Grove	7,970*	112	1x	1922.		145	4	1.5	1,054	1,054		1,054x 0.2
(Miscellaneous Discharges)													
#	So. Crestone Creek near				1915.		2 June, 14 July, 17 Aug., 15 Sept., 16 Oct., 5 Nov..						
R-15A-36	Crestone	8,300*	5*	1x	1936-1937		28	0.5	2.2	1,613	1,613		1,613x 6.0
(Miscellaneous Discharges)													
#	Willow Creek near				1915.		1 May, 1 June, 15 July, 20 Aug., 21 Sept., 15 Oct., 5 Nov..						
R-15B-36	Crestone	8,440*	4*	1x	1936-1937		240	0.8	6.4	4,626	4,626		4,626x 21.7
(Miscellaneous Discharges)													
#	Spanish Creek near				1915.		2 June, 4 July, 4 Aug., 10 Sept., 4 Oct., 1 Nov..						
R-15C-36	Crestone	7,900*	6*	1x	1936-1937		71	1.2	3.6	2,600	2,600		2,600x 8.1
(Miscellaneous Discharges)													
#	Cottonwood Creek near				1915.		5 May, 4 June, 6 July, 17 Aug..						
R-15D-36	Crestone	7,750*	7*	1x	1936.		85	2.3	5.5	3,995	3,995		3,995x 10.7
(Miscellaneous Discharges)													
#	Deadman Creek near				1915.		1 June, 3 July, 6 Aug., 5 Sept., 4 Oct., 1 Nov..						
R-15E-36	Crestone	8,000*	10*	1x	1936-1937		40	2.5	6.8	4,879	4,879		4,879x 9.1
(Miscellaneous Discharges)													
#	Arena (Sand) Creek near												
R-15F-36	Crestone	8,000*	20*	1x	1936-1937		175	7.0	16.3	11,822	11,822		11,822x 11.1
Alamosa River													
R-15G-33	at Jasper	9,100*	63*	2	1932-1933		950	7.0	117.4	103,572E	66,160E		84,872 25.3
U. S. G. S. W. S. P. 328.													
R-15H-12	Alamosa R. near Monte Vista	8,700*	91	1x	1912.		4,250	2.0	87.9	64,550	64,550		64,550x 13.3



No.	Name	Elev.	Sq. Mile	Drainage Area	Length (Yrs.)	Period		Ave. 24-hr. Discharge		Annual Run-Off		Equivalent in inches
						From	To	Max.	Min.	Max.	Min.	
1	2	3	4	5	6	7	8	9	10	11	12	13
Rio Grande (Continued)												
Alamosa River (Continued)												
#	Rock Creek											
R-19A-36	near Alamosa	7,540*	180*	1x	1936-1937	45	0.0	7.5	5,431	5,431	5,431x	0.6
#	La Jara Creek below Empire Canal											
R-20A-36	near Sanford	7,525*	235*	1x	1936-1937	100	0.0	11.0	7,952	7,952	7,952x	0.6
R-20B-32	La Jara Creek at mouth	7,520*	265*	8	1925-1932	154	0.0	35.2	30,929	14,121	25,404	1.8
#	Trinchera Cr. at mouth											
R-23A-36	near Sanford	7,520*	580*	1x	1936-1937	40	0.1	6.1	4,415	4,415	4,415x	0.1
#	Ute Creek											
R-25A-36	Upper Station	8,800*	23.3	1x	1936,	84	13.0	10.0	7,240	7,240	7,240x	5.8
R-31A-26	Culebra River near Chama	8,400*	28*	5x	1924-1926	430	7.0	50.8	46,856E	22,157E	35,686x	24.5
#	Culebra River near San Acacia											
R-32A-36	at mouth	7,510*	450*	1x	1936-1937	19	0.0	0.1	106	106	106x	0.004
	San Francisco Creek, near San Luis											
R-32B-16	Costilla Creek at mouth	9,400*	13*	1x	1916,	58	3.0	4.2	3,006	3,006	3,006x	4.3
#	near Jarosc											
R-32C-12	Chama River near Chama, New Mex.	7,510*	75*	1x	1912, 1936,	344	0.3	31.5	22,740	22,740	22,740x	5.7
R-33A-16				4	1913-1916				155,330E	64,500	115,905	

SAN JUAN RIVER BASIN IN COLORADO

San Juan River		W. S. P. 309 & 329.		U. S. G. S.	
Piedra River		(Miscellaneous Discharges)		(Gage Heights)	
at		1 Nov.		4 Nov., 3 Dec..	
1911,		3 Jan.,	8 Feb.,	7 Mar.,	7 Apr.,
1912.	376	3 Jan.,	8 Feb.,	7 Mar.,	4 May, 3 June
S-11A-12	6,510*	- 101 -			



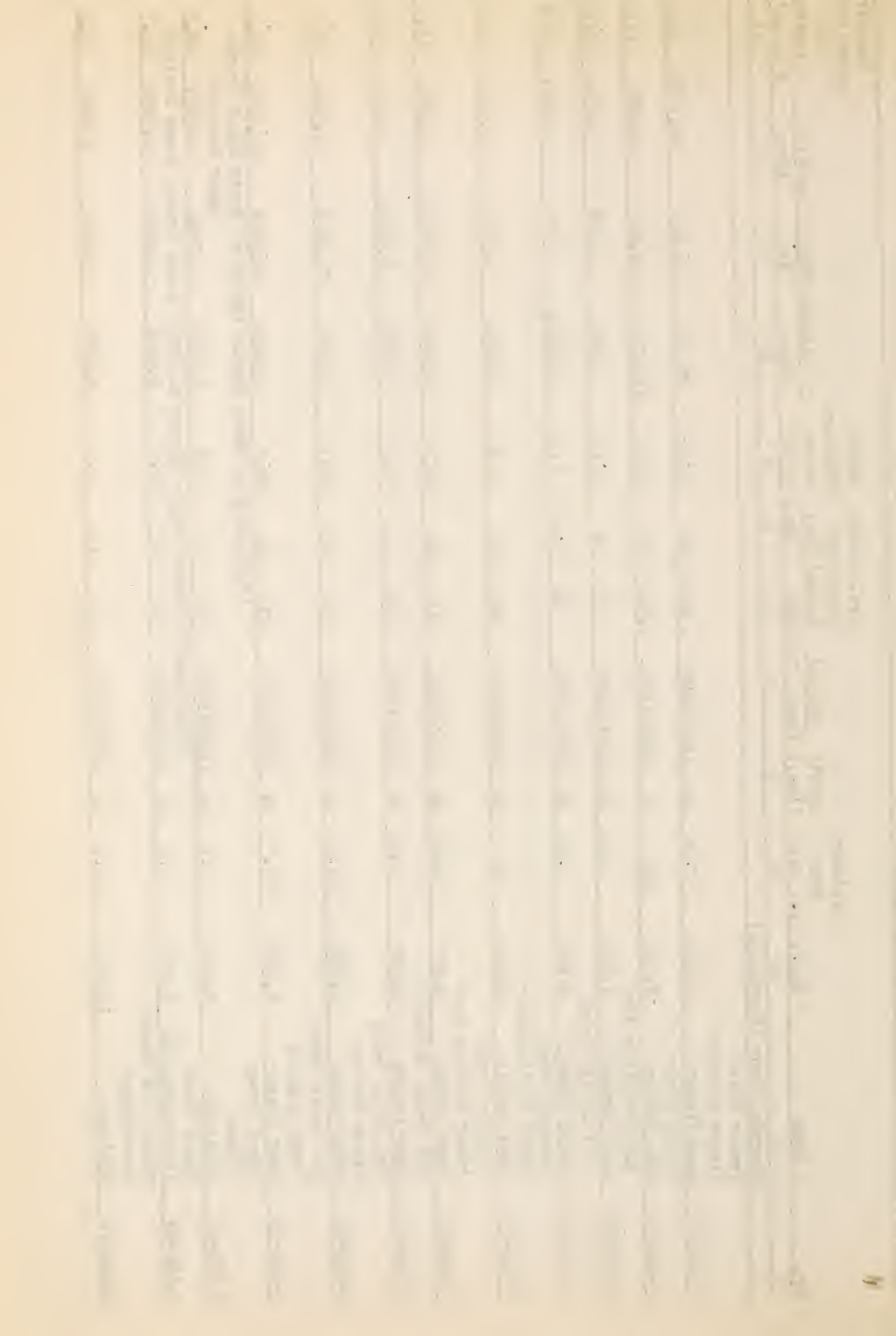
No.	Name	Elev.	Sa. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off			Equivalent in inches
						Max.	Min.	Second Feet	Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13
San Juan River (Continued)												
S-15A-03	Animas River at Silverton	9,300*	66	1x	1903.	990	15	108.3	78,265	78,265	78,265x	22.2
S-20A-21	Elbert Creek above Electr. Lake	8,400*	9.7	8	1914-1921			8.1	7,781	1,623	5,880	11.4
La Plata River												
S-26A-29	Long Hollow Creek near Red Mocc.	6,200	20*	2	1928-1929	98	1	9.7	7,058	6,978	7,018	6.6
Mancos River												
#	West Mancos River near Mancos	7,000	46	1x	1911.	253	8.7	53.2	38,436	38,436	38,436x	15.7
S-30A-11	McElmo Creek near Cortez	6,000*	210*	4	1926-1929	1,480	0	60.3	56,890	33,769	43,580	3.9
COLORADO RIVER BASIN IN COLORADO												
Colorado River at State												
C-4A-07	Bridge (Wolcott)	6,800*	2,670	2	1906-1908	12,300	313	2,214.5	1,840,600	1,413,600E	1,600,450	11.2
Colorado												
C-4B-97	River at Shoshone	6,000*	4,500*	1897.								
Colorado River at												
C-7A-99	Grand Junction	4,565*	8,910	3	1897-1899	42,822	561	5,869.2	5,118,800	2,688,800	4,241,667	8.9
North Inlet												
C-10A-12	Grand Lake at Grand Lake	8,400	47	4	1911-1912	775	5	77.3	66,624	29,275	55,853	22.3
C-10B-13	Grand Lake Outlet at Grand Lake	8,370	62	8	1905-1909 1911-1913	1,154	3	126.6	115,319	65,110	91,471	27.7
C-12A-08	Arapaho Creek at mouth near Lehman	8,250*	79	1x	1908.	327	8.5	21.5	15,584	15,584	15,584x	3.7
Fraser River												
(Upper Station)												
C-13A-09	near Fraser	9,700	7.5	2x	1908-1909	140	5	15.1	13,221E	8,654E	10,887x	22.7

U. S. G. S.
(Gage Heights)
May 1st to October 31st..

W. S. P. 16.

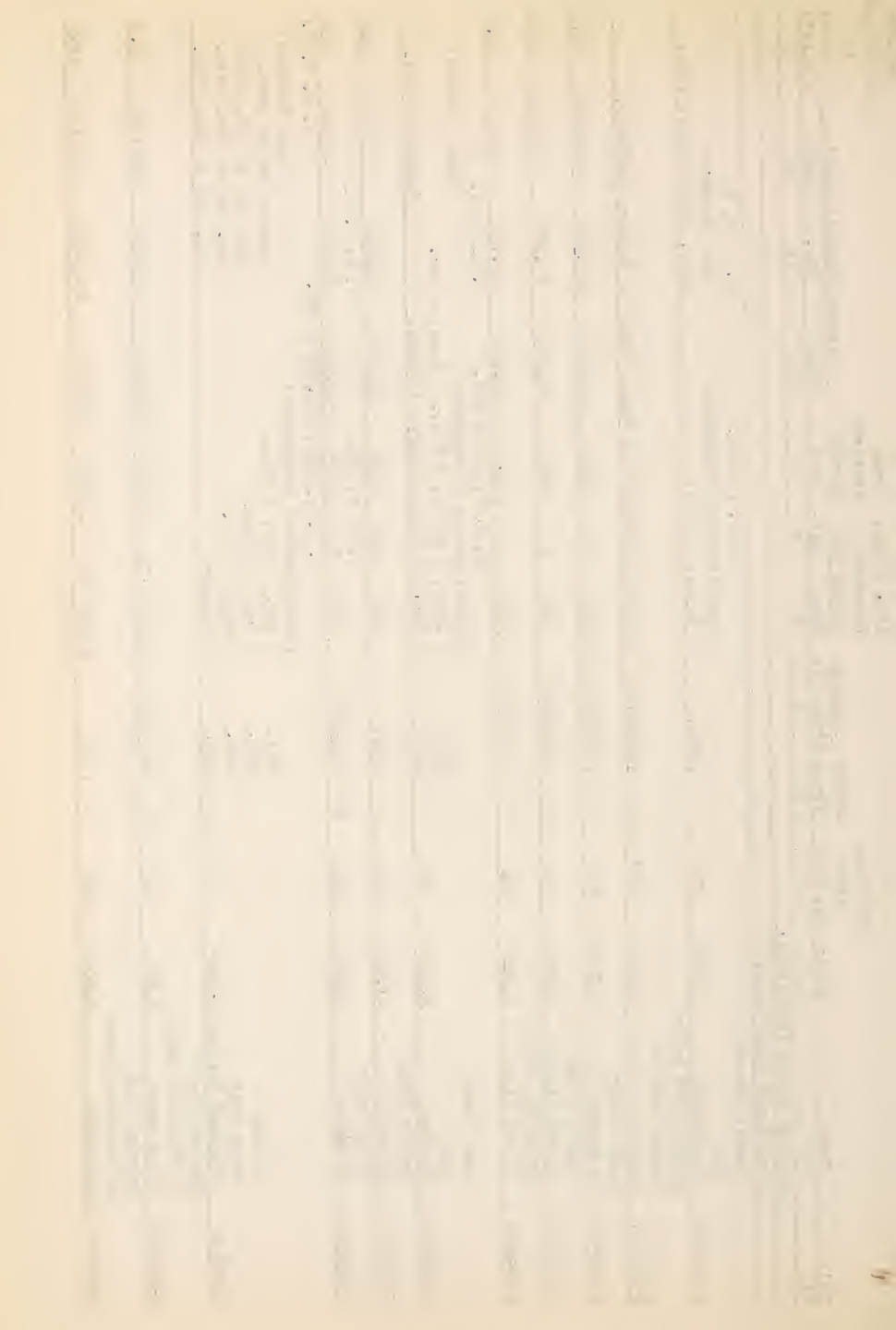
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No.	Name	Elev. Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off Ac-Ft.			Run-Off Equivalent in inches	
					Max.	Min.	Feet	Max.	Min.	Mean	M. n.	An. l
1	2	3	4	5	6	7	8	9	10	11	12	13
Colorado River (Continued)												
Fraser River												
(Lower Station)												
C-14A-09	near Fraser	8,900	27.6	3x	1907-1909	420	20	39.0	33,115	23,840	28,163x	22.0
C-15A-09	Fraser River near Granby	7,950	253	5	1905-1909	1,865	30	219.4	198,740	95,840	158,539	11.8
C-15B-09	Jim Creek (Big Jim)	9,200	5.8	3x	1907-1909	70	3	7.7	6,926	4,743	5,568x	24.6
C-15C-09	Little Jim Creek near Fraser	9,200	2.5	3x	1907-1909	23	0.4	1.9	1,649 E	974	1,363x	10.2
C-15D-09	Vasquez Creek Upper Station near West Portal	9,400	20	2x	1908-1909	225	19	21.5	20,600E	10,510E	15,555x	17.0
C-15E-09	Vasquez Creek Lower Station near West Portal	8,900	28.3	3x	1907-1909	370	22	28.4	24,170E	16,950E	20,535x	14.0
C-16A-09	Elk Creek at mouth near Fraser	8,600	9.5	3x	1907-1909	54	1	5.6	4,771E	3,457E	4,041x	9.5
C-16B-09	St. Louis Creek Upper Station near Fraser	9,250	21.6	2x	1908-1909	264	18	31.1	24,160E	20,830E	22,495x	26.1
C-17A-09	St. Louis Creek Lower Station near Fraser	8,600*	38.7	2x	1908-1909	270	21	35.6	26,580E	24,920E	25,750x	25.4
C-17B-09	Ranch Creek (Upper Station)	9,800	1.9	2x	1908-1909	52	2	3.5	3,308E	1,764E	2,537x	23.8
C-18A-09	Ranch Creek (Lower Station)	8,850	8.5	3x	1907-1909	92	2	9.5	8,086E	4,826E	6,869x	25.7
C-20A-09	South Fork Ranch Creek (Upper Station)	10,000	2.1	2x	1908-1909	27	1.3	4.0	3,337E	2,501E	2,920x	16.3

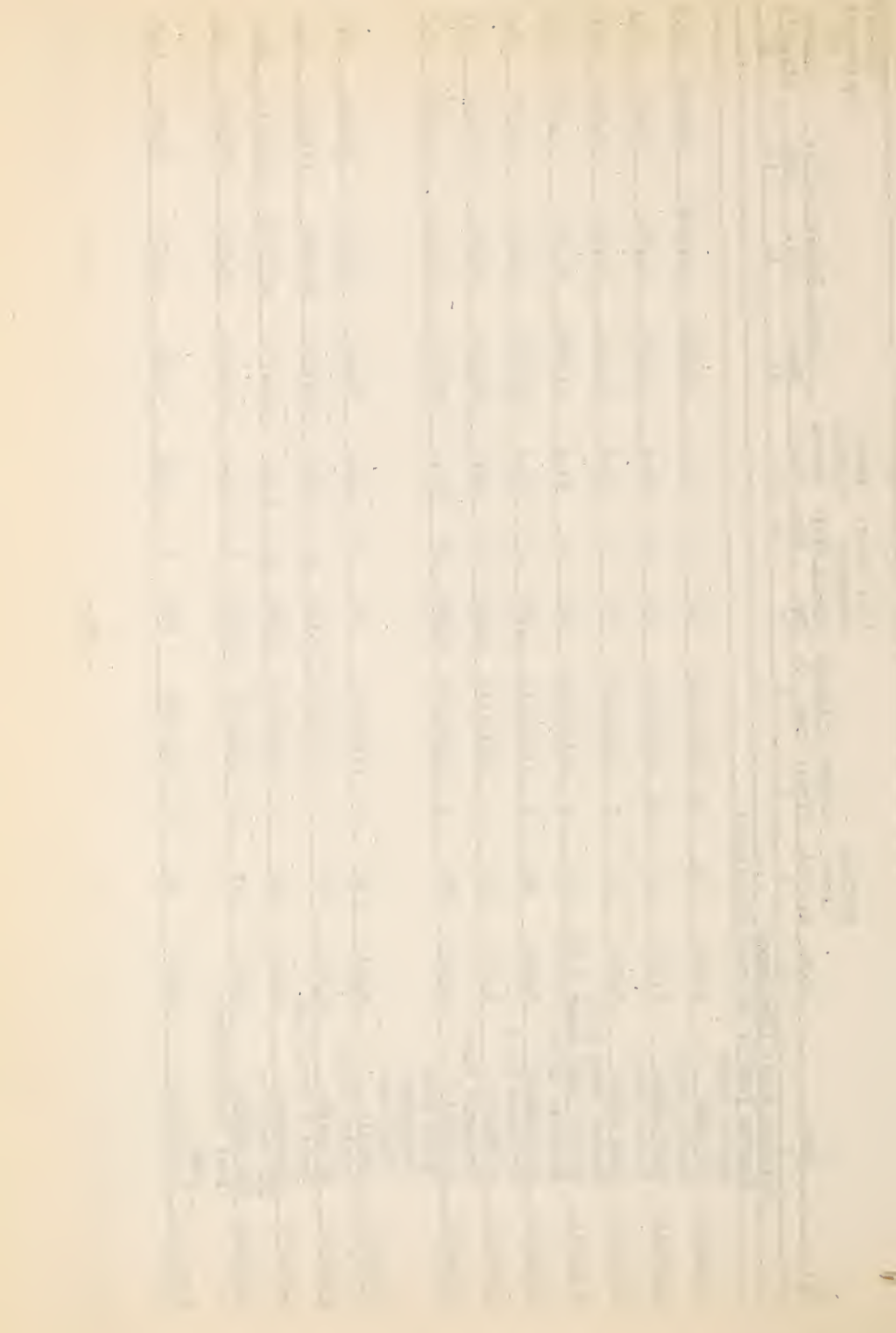


No.	Name	Elev.	Sq. Mile	Drainage Area	Length (Yrs.)	Period		Ave. 24-hr. Discharge		Mean Second	Annual Run-Off Ac-Ft.			Run-Off Equivalent in inches	
						From	To	Max.	Min.		Feet	Max.	Min.		Mean
1	2	3	4		5	6	7	8	9		10	11	12	13	
	Colorado River (Continued)														
	Fraser River (Continued)														
	Ranch Creek (Continued)														
	South Fork														
	Ranch Creek														
C-21A-09				4.4	3x	1907-1909	46	1	5.3		4,404E	2,829E	3,802x	14.3	
	Middle Fork														
	Ranch Creek														
C-21B-09				2	2x	1908-1909	37	1	4.3		3,536E	2,719E	3,128x	23.5	
	Middle Fork														
	Ranch Creek														
C-22A-09				4.9	3x	1907-1909	64	1.1	6.9		5,761E	3,650E	4,973x	26.6	
	Williams Fork														
	of Colorado River														
C-27A-17				9,000	143	7	1911-1917	1,500	19	175.2	168,260	99,750	126,642	16.6	
	near Scholl														
C-28A-24				7,470*	172	5x	1922-1924	660	1	54.4	54,840E	30,318E	39,351x	4.3	
	Troublesome Creek														
C-28B-05				7,320*	270*	1x	1905,	772	0.5	75.1	54,743E	53,758	54,251x	3.6	
	at Kremmling														
	Blue River at														
C-28C-14				9,570*	49	1x	1914,	610	5.5	74.4	53,800	53,800	53,800x	20.6	
	Breckenridge														
	Blue River near														
C-29A-08				7,750*	560	4	1905-1908	6,020	50.0	621.8	571,000	304,000	449,367	15.0	
	Kremmling														
	Spruce Creek(Upper Station) near														
C-29B-14				11,200*	1.7	1x	1914,	27.2	2.0	0.9	(2 months only)		639x	7.0	
	Breckenridge														
	Spruce Creek(Lower Station) near														
C-29C-14				10,500	3.4	1x	1914,	34	1.4	1.3	(2 months only)		907x	5.0	
	Breckenridge														
	Crystal Creek near														
C-29D-14				10,500	2.0	1x	1914,	31	0.7	0.8	(2months only)		554x	5.2	
	Breckenridge														
	Tennille Creek near														
C-30A-04				9,600*	67	1x	1904,	1,060	1	98.1	70,080	70,080	70,080x	19.6	
	Kokomo														

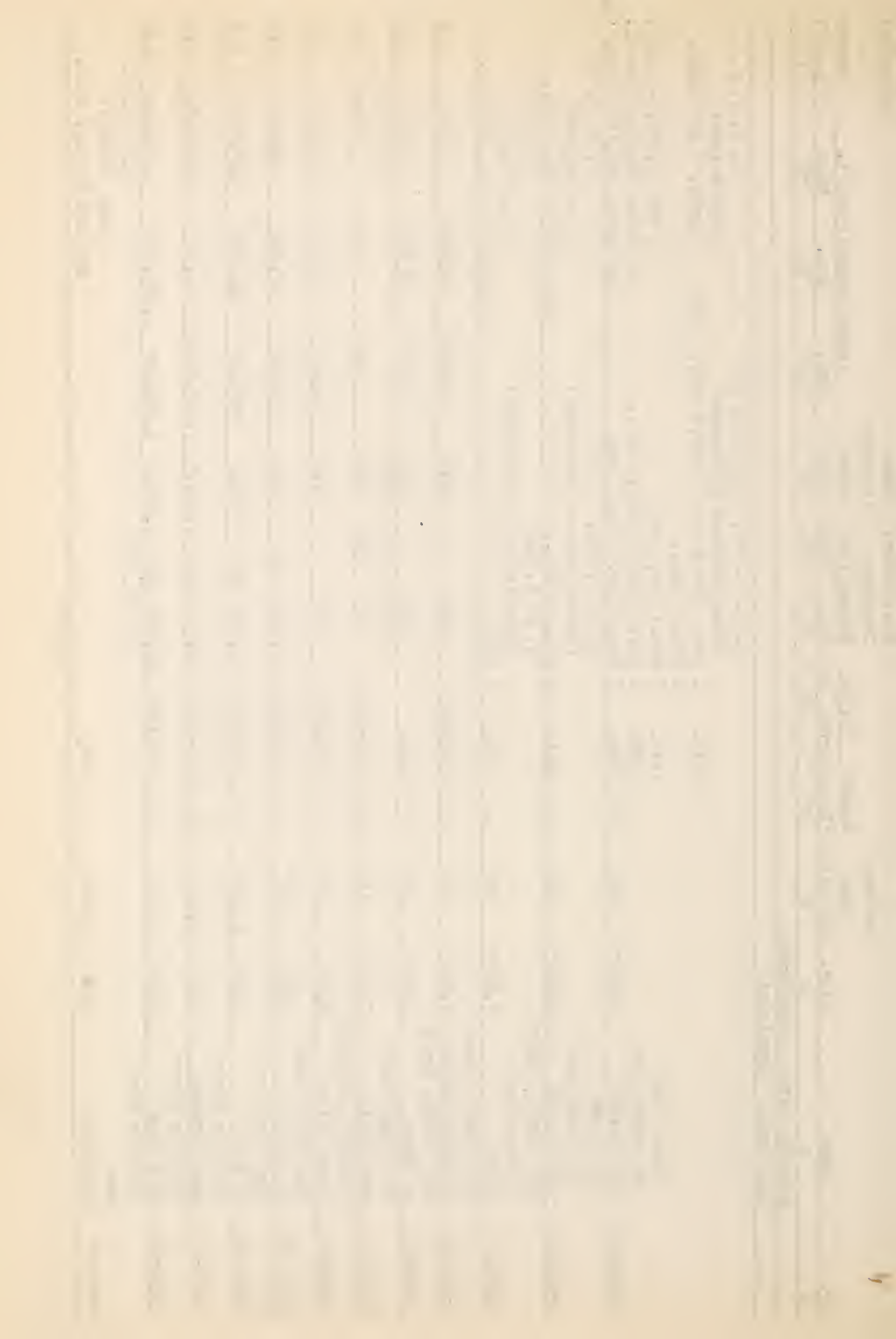
No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off Ac.-Ft.			Run-Off Equivalent in inches	
						Mean			Mean				
						Max.	Min.	Feet	Max.	Min.	Mean		
1	2	3	4	5	6	7	8	9	10	11	12	13	
Colorado River (Continued)													
Blue River (Continued)													
Tommile Creek													
	near					W. S. P. 100. (Miscellaneous Discharges)							U. S. G. S. (Gage Heights)
C-30B-03	Unava Lake	9,350*	75*	--	1903.	1 Sept., 1 Oct..							Sept. 27th to Nov. 7th..
Eagle River below													
C-33A-07	Brush Creek at Eagle	6,600*	800*	--	1905-1907	Record included with Eagle River at Gypsum, C-33B-09.							
C-33B-09	Eagle River at Gypsum	6,325*	844	5	1905-1909	5,190	60	645.7	532,470	337,300	466,670	10.4	
C-33C-21	Turkey Creek at Red Cliff	8,598	27	8	1914-1921	485	2	33.8	31,294	17,357	24,412	17.0	
C-33D-18	Homotake Creek at Red Cliff	8,598	64	8	1911-1918	1,300	1	106.0	95,370	51,123	76,610	22.4	
	Gore Creek near					W. S. P. 309 & 329. (Miscellaneous Discharges)							U. S. G. S. (Gage Heights)
C-33E-11	Minturn	7,825*	98	--	1911, 1912.	1 July, 1 Sept., 8 Oct., 6 Nov., 2 Dec. 1 Feb., 1 Apr., 2 June, 1 Sept..							January to Nov.
C-33F-11	Beaver Creek at Avon	7,500*	15	1	1911.	100	1.5	16.8	12,148	12,148	12,148	15.2	
C-33G-13	Brush Creek at Eagle	6,588	146	3	1911-1913	500	5	67.8	65,200	36,900	48,987	6.3	
	No Name Creek near					W. S. P. 309, 329, 359 & 389. (Miscellaneous Discharges)							U. S. G. S. (Gage Heights)
C-33H-14	Glenwood Springs	5,745*	9*	--	1914.	1 Jan., 1 Feb., 1 Dec.. 1 April, 1 May. 1 May, 1 Sept. 1 January.							Approx. entire year. Jan. 1st to Oct. 26th. Jan. 1st to Dec. 31st. Jan. 1st to June 30th.
C-34A-18	Roaring Fork of Colorado River below Aspen	7,900	223	5	1914-1918	5,000	76	423.6	359,610	216,240	306,140	25.7	
C-34B-09	Roaring Fork of Colorado River near Emma	6,800*	853	1	1909.	7,530	150	1,133.4	854,000	783,400E	819,100	18.0	
- 105 -													



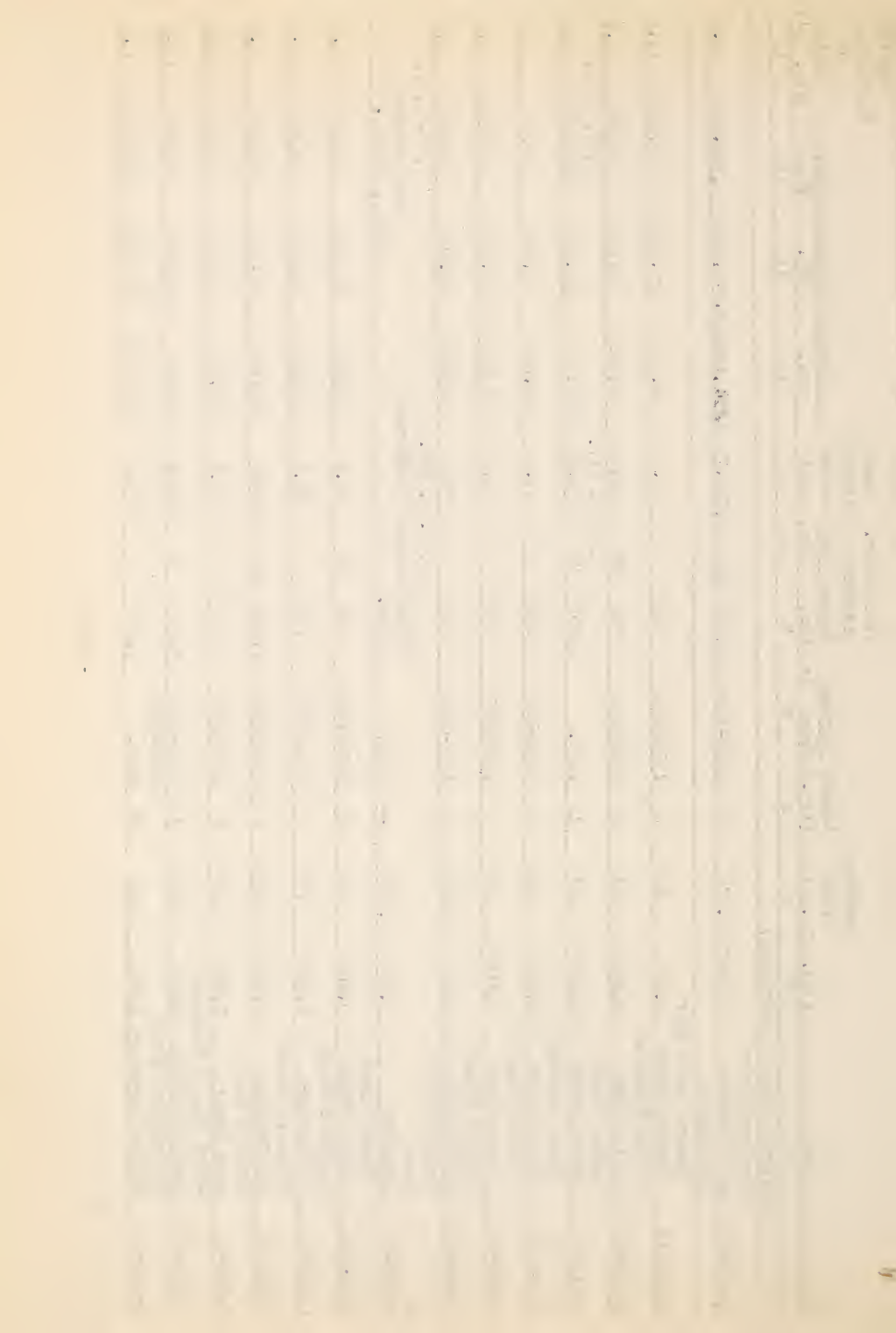
No.	Name	Elev. Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off Ac-Ft.			Run-Off Equivalent in inches	
					Second Feet	Min.	Max.	Max.	Min.	Mean	M'n.	A'n.l
1	2	3	4	5	6	7	8	9	10	11	12	13
Colorado River (Continued)												
Roaring Fork of Colorado (Continued)												
Hunter Creek												
C-35A-12	at Aspen	7,931	42	2x	1911-1912	510	1	63.0	46,997E	44,010E	45,504x	20.3
Castle Creek												
C-35B-19	near Aspen	7,931	62	8	1912-1919	970	23	105.6	92,440	54,310	76,300	23.1
Maroon Creek												
C-35C-17	near Aspen	8,300	42	7	1911-1917	706	5	90.2	81,010	44,560	65,216	29.1
Maroon Creek Lower												
C-35D-15	Station near Aspen	8,300	54	2	1914-1915	706	8	91.8	91,988E	40,659	66,323	23.0
Snowmass Creek												
C-35E-13	at Snowmass	6,880	89	3	1911-1913	1,020	22	124.4	103,940	65,600	89,937	18.9
Fryingpan Creek												
C-35F-16	at Norrie	8,431	92	6	1911-1916	1,440	17	149.0	139,150	65,900	107,662	21.9
Fryingpan Creek												
C-35A-09	at Basalt	5,850*	272	2	1908-1909	3,300	55	354.4	275,000	237,120E	256,095	17.7
North Fork Fryingpan Creek near Norrie												
C-36B-16	Norrie	8,431	42	6	1911-1916	765	6	63.5	53,490	36,404	45,921	20.5
Crystal River at Marble												
C-36C-17	at Marble	7,800	77	7	1911-1917	2,110	14	250.5	223,180	130,330	181,072	44.1
Crystal River near Carbondale												
C-37A-09	Carbondale	6,300	239	2	1908-1909	4,970	56	581.7	460,710	380,120E	420,415	35.0
Elk Creek at New Castle												
C-37B-24	New Castle	5,700	177	3	1922-1924	1,360	2	110.3	102,915	65,700	79,707	8.4
East Fork Elk Creek near New Castle												
C-37C-15	New Castle	5,800*	51	5	1911-1915	365	2	46.3	44,590	26,777	33,465	12.3



No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off Ac.-Ft.			Run-Off Equivalent in inches
						Second			inches			
						Max.	Min.	Feet	Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13
Colorado River (Continued)												
Elk Creek (Continued)												
						W. S. P. 309, 329, 359 & 389			U. S. G. S.			
						(Miscellaneous Discharges)			(Gage Heights)			
	1911,					1 Jan, 1 Feb, 1 Mar, 1 June, 1 July, 1 Sept.	Approx. 4 per month.					
						1 Oct., 1 Dec..						
	1912,					1 Feb, 1 Apr, 1 May	1 per wk, Jan. 1-Dec. 31.					
	1913,					1 May, 1 June, 2 Sept, 1 Oct..	85 betw. Feb. 24 & Dec. 31.					
	1914,					1 Oct, 1 Jan, 1 Feb, 1 June	105 betw. Oct. '13 & Oct. '14.					
C-37D-14	New Castle	5,800*	122	--		W. S. P. 309.			U. S. G. S.			
						(Miscellaneous Discharges)			(Gage Heights)			
	Elk Creek near					1 Jan., 1 Feb..	Jan. 20th to June 30th.					
C-37E-11	New Castle	5,800*	28	--	1911,	W. S. P. 269.			U. S. G. S.			
						(Miscellaneous Discharges)			(Gage Heights)			
	West Divide Creek					1 July.	5 July, 31 Aug., 20 Sept.					
C-37F-09	Ranch	7,400*	80*	--	1909,							
	West Divide Creek											
C-37G-11	at Beard Ranch	7,300*	90	2	1910-1911	330	0	32.3	26,422E	20,287E	23,355	4.9
	West Divide Creek											
C-37H-10	at Raven	6,400*	120	1	1910,	344	0	31.0	22,373	22,373	22,373	3.5
	West Mamm Creek					W. S. P. 269 & 289.			U. S. G. S.			
C-38I-10	near Rifle	7,000*	15*	1x	1909-1910	18	0.4	1.0	711	711	711x	0.9
	Parachute Creek at											
C-38B-27	Grand Valley	5,105	196	7	1921-1927	790	0	39.8	51,050	8,929	28,772	2.8
	Roan Creek near											
C-39J-26	De Beque	4,935	210	6	1921-1926	1,060	10	63.2	82,110	17,300	45,670	4.1
#	Gunnison River											
C-45L-03	at Iola	7,450*	2,360*	4	1900-1903	7,402	221	827.0	732,100	380,200	597,705	4.7
	Gunnison River											
C-45B-05	near Cimarron	7,000*	3,650	2x	1904-1905	13,610	265	1,406.7	1,287,950E	761,600	1,016,167x	5.2
	Gunnison River											
C-46A-05	near Gory	5,000*	5,410	3	1903-1905	23,200	310	2,472.2	2,156,300	1,238,200	1,786,651	£.2
	Gunnison River					W. S. P. 16.			U. S. G. S.			
						(Gage Heights)			May 1st to Aug. 31st.			
C-46B-97	Roubidau	4,900*	7,000*	--	1897,							



No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off Ac-Ft.			Run-Off Equivalent in inches
						Max.	Min.	Feet	Max.	Min.	Mean	
1	2	3	4	5	6	7	8	9	10	11	12	13
(Continued)												
C-460-06	Gunnison River at Whitewater	4,650*	7,870	5	1902-1906	28,085	341	2,745.7	2,554,600E	1,074,500E	1,984,340	4.7
East River												
C-48A-13	Cement Creek near Crested Butte	8,600	32	3	1911-1913	330	7	46.7	39,681	24,205	33,765	19.8
C-48B-34	Taylor River at Taylor Park	9,000*	121	6	1929-1934	756	27	98.0	90,160	49,410	70,822	11.0
C-48C-05	Taylor River Above Almont	8,650*	317	1x	1905,	2,790	70	282.3	204,000	204,000	204,000x	12.1
C-49A-34	Texas Creek at Taylor Park	9,200*	36	6	1929-1934	353	9	41.7	36,000	20,630	30,127	15.7
C-49B-34	Willow Creek at Taylor Park	9,100*	47	6	1929-1934	160	6	26.8	23,920	13,408	19,370	7.7
C-49C-22	Tomichi Creek at Sargents	8,467	165	6	1917-1922	792	6	77.5	88,550	39,800	55,992	6.4
#	Tomichi Creek near Gunnison	7,670*	1,075	--	1910,	Miscellaneous Discharges (Miscellaneous Discharges)			U. S. G. S. (Gage Heights) 6 Nov., 12 Dec.			
C-49D-10	Quartz Creek near Pitkin	9,200*	66	3	1911-1913	296	20	53.7	39,730	36,650	38,800	11.0
C-49E-13	Sapinero Creek at Sapinero	7,245	84	4	1911-1914	790	9	81.3	76,067	29,867-	58,737	13.1
C-51A-05	Cimarron Creek at Cimarron	7,000*	210	3	1903-1905	1,260	20	140.2	107,140	92,600	101,345	9.0
C-51B-19	Crystal Creek near Maher	7,700*	26	3	1917-1919	405	0	33.3	30,114	19,850	24,057	17.3
C-53A-05	North Fk. of Gunnison near Hotchkiss	5,400	835	3	1903-1905	7,300	5	709.3	688,100	328,130	512,600	11.5
C-61A-08	Uncompahgre River at Fort Crawford	6,200	433	3x	1898-1899 1908,	1,340	4	189.4	154,440E	133,085E	136,852x	5.9

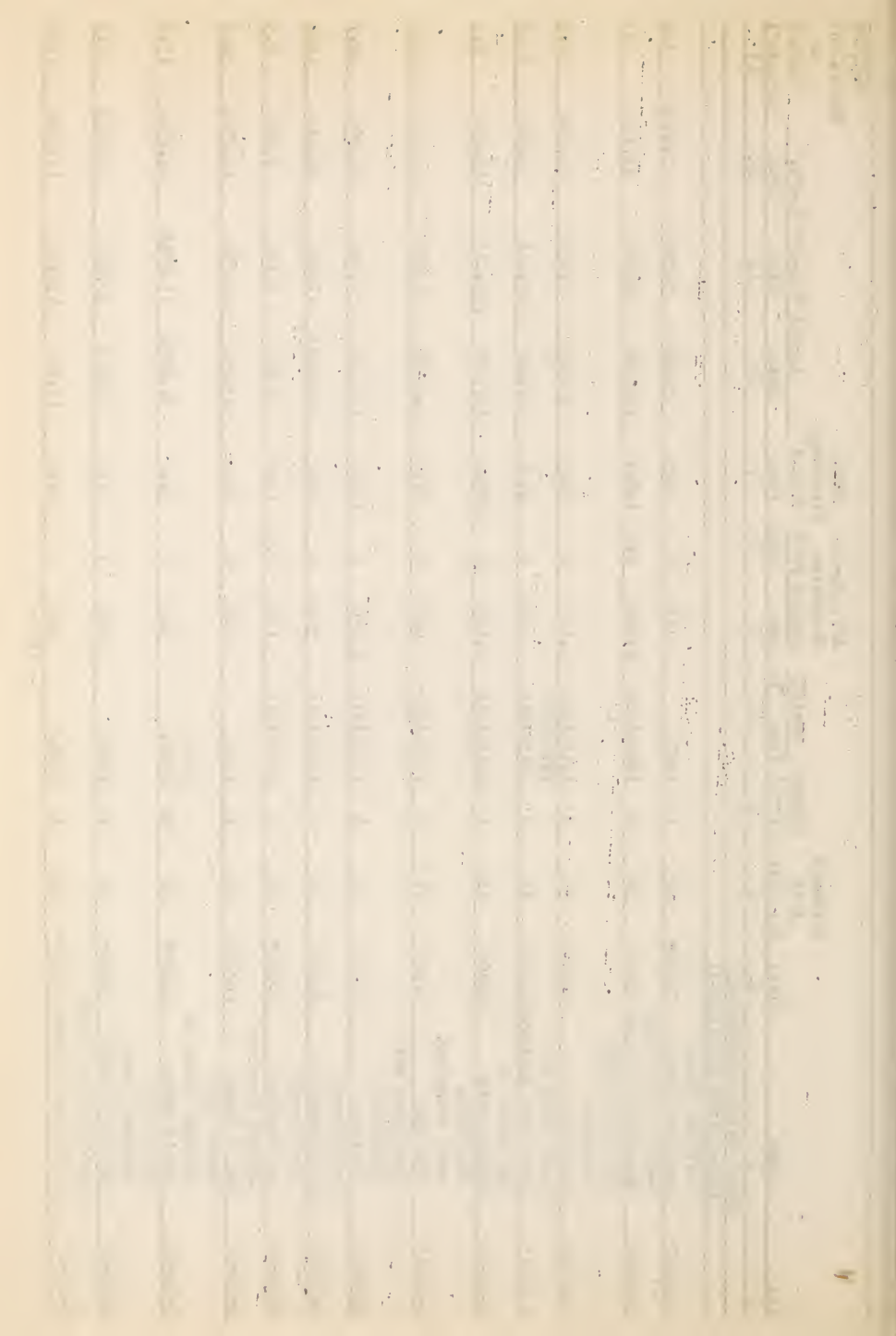


No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period		Ave. 24-hr. Discharge			Annual Run-Off Ac.-Ft.			Run-Off Equivalent in inches	
					From	To	Max.	Second		Feet	Max.	Lin.		
								7	8			9		10
1	2	3	4	5	6	7	8	9	10	11	12	13		
Colorado River (Continued)														
Gunnison River (Continued)														
C-61B-11	Uncompahgre River near Fort Crawford	6,000*	497	1x	1910-1911	1,170	47	175.2	126,725	126,725	126,725x	4.8		
C-62A-15	Canyon Creek at Ouray	7,710	26	5	1911-1915	510	2	63.0	50,800	38,524	45,509	22.8		
C-62B-27	Dallas Creek near Ridgeway	6,980	90	6	1922-1927	740	1	53.5	45,190	31,430	38,502	8.0		
C-62C-23	Escalante Creek near Delta	5,000*	183*	2	1922-1923	1,250	0.9	60.5	51,501E	36,185	43,745	4.5		
C-64A-20	Dolores River at Rico	8,700*	83	2	1919-1920	1,060	13	124.4	105,200	80,245E	89,934	20.3		
C-65A-22	Dolores River at Bedrock	4,971	2,040	5	1918-1922	5,390	4	585.6	544,854	151,160E	423,219	3.9		
C-65B-27	Lost Canyon Creek at Dolores	6,942	81	6x	1922-1927	925	0	32.8	33,054E	6,014	25,731x	5.5		
C-65C-99	San Miguel River at Fall Creek	7,480	172	4	1896-1899	2,404	6	183.9	160,950	109,250	132,862	14.5		
C-65D-34	San Miguel River at Placerville	7,300	280	7	1911-1912 1930-1934	1,602	50	238.6	237,010	92,770	165,257	11.1		
C-65E-12	San Miguel River at Canal Intake	7,295	304	9	1895-1899 1909-1912	10,000B	50	266.2	247,309	141,891E	192,378	11.9		

GREEN RIVER BASIN IN COLORADO

Green River														
G-1A-11	Denver Creek near Ladore	5,500*	27	2x	1910-1911	455	0	4.8	5,458	5,458	5,458x	2.4		
G-1B-11	Vermilion Creek near Ladore	5,500*	1,017	2x	1910-1911	5,080	1	140.5	106,025E	96,610	101,422x	1.9		
G-10-15	Yampa River at Yampa	7,884	52	6	1910-1915	464	0.2	53.3	37,920	14,208	24,100	8.7		

No.	Name	Elev. Ft.	Drainage Area Sq. Mile	Length (Yrs.)	Period From	Period To	Ave. 24-hr. Discharge		Mean Discharge		Annual Run-Off Ac.-Ft.		Run-Off Equivalent in inches	
							Max.	Min.	Feet	Second	Max.	Min.	Mean	M'n. An'l
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Green River (Continued)														
Yampa River (Continued)														
Morrison Creek														
G-4A-27	near Oak Creek	7,100*	86	1x	1927,	148	8	7.5	5,396	5,396	5,396x	1.2		
Walton Creek near														
G-4B-22	Steamboat Springs	6,800	38	2	1921-1922	2,800	4.5	126.2	103,522	78,831	91,177	4.5		
Fish Creek near														
Steamboat														
G-4C-20	Springs	6,700	26	2	1919-1920	1,170	2	96.5	90,603	48,450	69,712	50.3		
Soda Creek at														
1910-1911														
G-4D-19	Steamboat Springs	6,680	47	9	1913-1919	694	0	46.4	52,400	20,114	33,500	13.4		
Elk River at														
G-4E-18	Hinman Park	7,800	61	7	1912-1918	1,570	28	200.6	197,170	103,110	145,000	4.5		
Big Creek														
near Steamboat														
G-7A-19	Springs	6,740	41	2	1918-1919	469	2	57.3	44,907	38,507	41,437	19.0		
Mad Creek near														
Steamboat														
G-7B-17	Springs	6,740	40	6	1912-1917	2,050	2	120.1	122,399	52,902	86,800	40.7		
Trout Creek														
G-7C-11	at Pinnacle	8,900	27	2	1910-1911	354	2	28.3	22,451E	17,810	20,446	14.2		
Fish Creek														
G-7D-11	at Dunkley	7,000*	29	2	1910-1911	134	0.5	13.8	11,022	9,100	9,986	6.5		
Elkhead Creek at														
G-7E-20	Hay's Ranch	7,000*	26	1x	1910,	620	2	60.5	43,732	43,732	43,732x	31.5		
North Fork														
Elkhead Creek at														
1910,														
G-8A-20	Hay's Ranch	7,000*	26	2x	1920,	542	0	34.2	34,088E	15,271E	24,681x	17.8		
East Fork														
Elkhead Creek														
G-8B-20	at Hay's Ranch	7,000*	22	1x	1920,	1,660	3	91.7	66,275	66,275	66,275x	56.5		
Fortification Creek														
G-8C-10	at Chapman's Ranch	6,530*	24*	1x	1910,	205	0	21.0	15,169	15,169	15,169x	11.8		



No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off Ac-Ft.			Run-Off Equivalent in inches
						Second	Feet	Min.	Max.	Min.	Max.	
1	2	3	4	5	6	7	8	9	10	11	12	13
Green River (Continued)												
Yampa River (Continued)												
Fortification Creek (Continued)												
G-10A-10	Little Bear Creek near Skile's Ranch	6,500*	25*	1x	1910.	232	0	18.2	15,149	13,149	13,149x	9.9
Williams Fork												
G-10B-11	Yampa River near Pyramid	9,000*	98	2	1910-1911	790	15	106.0	81,070	71,780	76,624	14.7
G-11A-05	Milk Creek near Axial	6,150*	75	2	1904-1905	276	1	29.0	21,670	20,239	20,954	5.2
Little Snake River												
G-14A-23	South Fork Little Snake at Fleming	7,400*	22	2x	1922-1923	240	1	17.9	13,295	12,419	12,907x	11.0
G-14B-20	South Fork Little Snake at Gardner's Ranch	7,000	46	9	1912-1920	760	0.8	32.0	30,236	11,178	23,100	9.4
G-17A-22	Roaring Fork of Slater Fork of Little Snake R. at Baxter's Ranch	7,500*	23*	1x	1922, 1915-1916	196	0	12.4	8,992	8,992	8,992x	7.5
G-17B-22	Savory Creek at Savory, Wyoming	6,600*	354	7	1918-1922	1,770	0	132.3	159,050	79,014	95,600	5.1
G-18A-18	Muddy Creek at Baggs, Wyoming	6,200*	904	3	1915-1916 1918,	445	0	49.4	42,957E	29,527E	35,700	0.7
G-19A-06	White River North Fork near Buford	7,500*	181	5	1904-1906	1,950	144	352.8	260,390	247,080	255,000	26.4
G-19B-20	White River North Fork at Buford	7,000	240	8	1910-1915 1919-1920	5,150	121	359.0	538,700	194,280	245,000	15.8
G-21A-95	White River at Whiteriver, Colorado	5,900*	1,773	-	1895.							
Bulletin No. 140, Seventeenth Annual Report, Part 2. (Miscellaneous Discharges) (Gage Heights) U. S. G. S. May 17th to Nov 2nd.												

Bulletin No. 140, U. S. G. S.

Seventeenth Annual Report, Part 2.

(Gage Heights)

May 17th to Nov 2nd.

(Miscellaneous Discharges)

1 May

The first of these is the fact that the
 government has been unable to raise
 sufficient revenue to meet its
 obligations. This is due to a
 number of causes, including the
 falling price of cotton, the
 depreciation of the currency, and
 the failure of the government to
 collect its taxes properly.

The second cause is the fact that
 the government has been unable to
 obtain foreign loans. This is due
 to the fact that the government
 has been unable to provide the
 necessary collateral for such loans.

The third cause is the fact that
 the government has been unable to
 obtain foreign loans. This is due
 to the fact that the government
 has been unable to provide the
 necessary collateral for such loans.

The fourth cause is the fact that
 the government has been unable to
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 necessary collateral for such loans.

The fifth cause is the fact that
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The sixth cause is the fact that
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The seventh cause is the fact that
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The ninth cause is the fact that
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The tenth cause is the fact that
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 necessary collateral for such loans.

No.	Name	Elev.	Sq. Mile	Length (Yrs.)	Period From To	Ave. 24-hr. Discharge			Annual Run-Off Ac-Ft.			Run-Off Equivalent in inches		
						Max.	Min.	Feet	Max.	Min.	Mean			
													Second	
1	2	3	4	5	6	7	8	9	10	11	12	13		
Green River (Continued)													13	
1904-1905														
G-21B-18	White River near Rangely	5,400	3,266	3x	1918,	4,750	225	616.4	499,500E	372,500E	445,500x	28.8		
G-22A-06	Marvine Creek near Buford	7,700*	50	3	1904-1906	377	74	120.4	93,700	80,120	87,000	32.6		
G-23A-18	Piceance Creek near mouth	5,900*	642	1x	1918,	324	2.5	19.6	14,160	14,160	14,160x	0.4		

Note-The stations are arranged in downstream order and the tributaries are indicated by indentation.

Records obtained from State Engineer's Office except where otherwise noted.

U. S. G. S.-United States Geological Survey.

W. S. P.-Water Supply Paper.

E-Estimated in part. Where record is lacking for few winter months, average flow used.

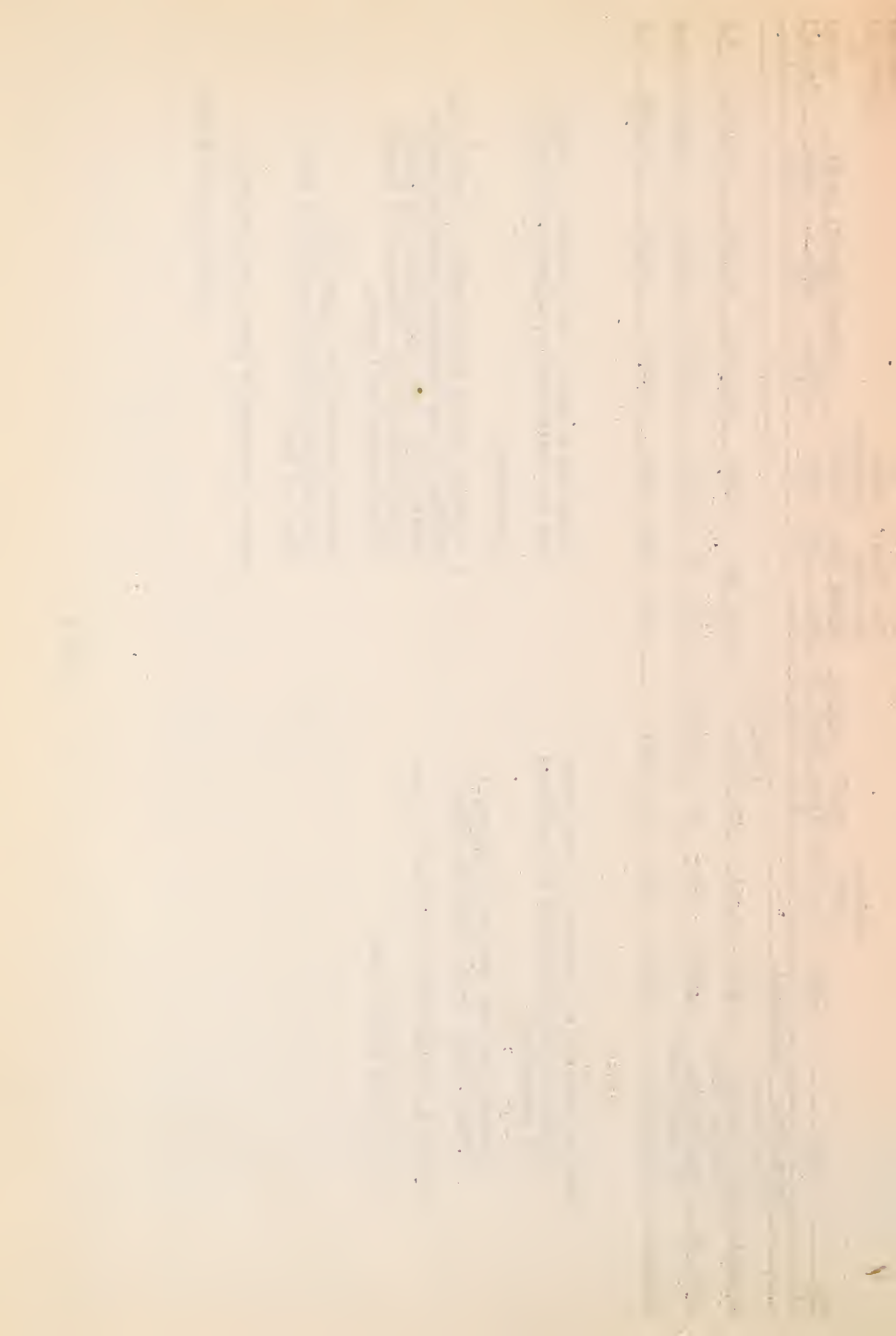
* Approximate.

x No record during winter months. Maximum and minimum 24 hour discharge shown for record period only. Mean second-foot and annual acre-foot discharges calculated as though record covered full years.

† Station reestablished since 1935.
(See section on Annual run-off for years 1936 and 1937).

B-Due to breaking of Trout Lake Reservoir.

WATER RESOURCES SURVEY



NORTH PLATTE RIVER BASIN

NP-34-35 N. PLATTE R. AT SARATOGA, WYO

NP-34-35

SOUTH PLATTE RIVER BASIN

SP-31-35 BEAR CR. AT MOUTH

SP-29-35 BEAR CR. AT STARBUCK P. AT MORRISON

SP-42-35 BOULDER CR. AT MOUTH

SP-50-35 BIG THOMPSON R. AT CANON MOUTH

REPUBLICAN RIVER BASIN

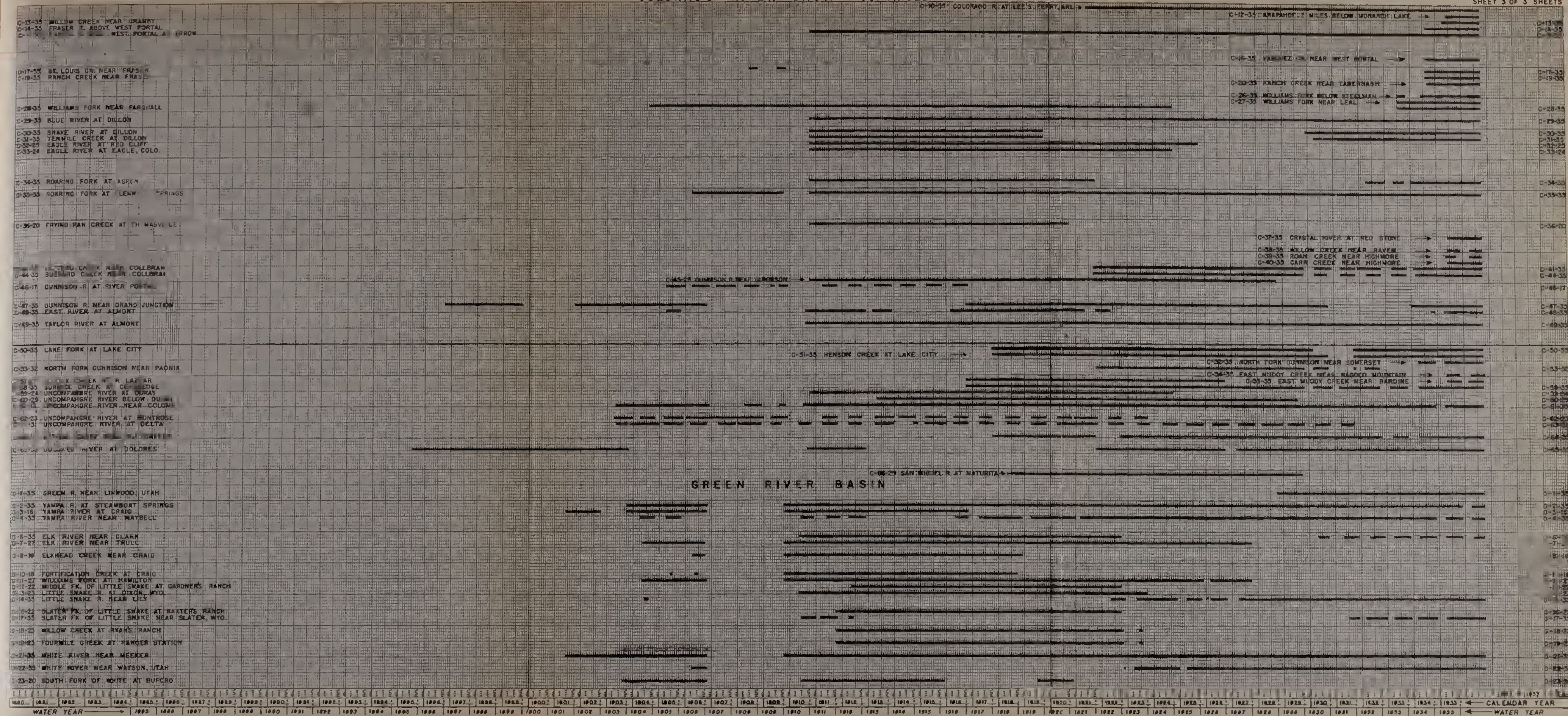
ARKANSAS RIVER BASIN

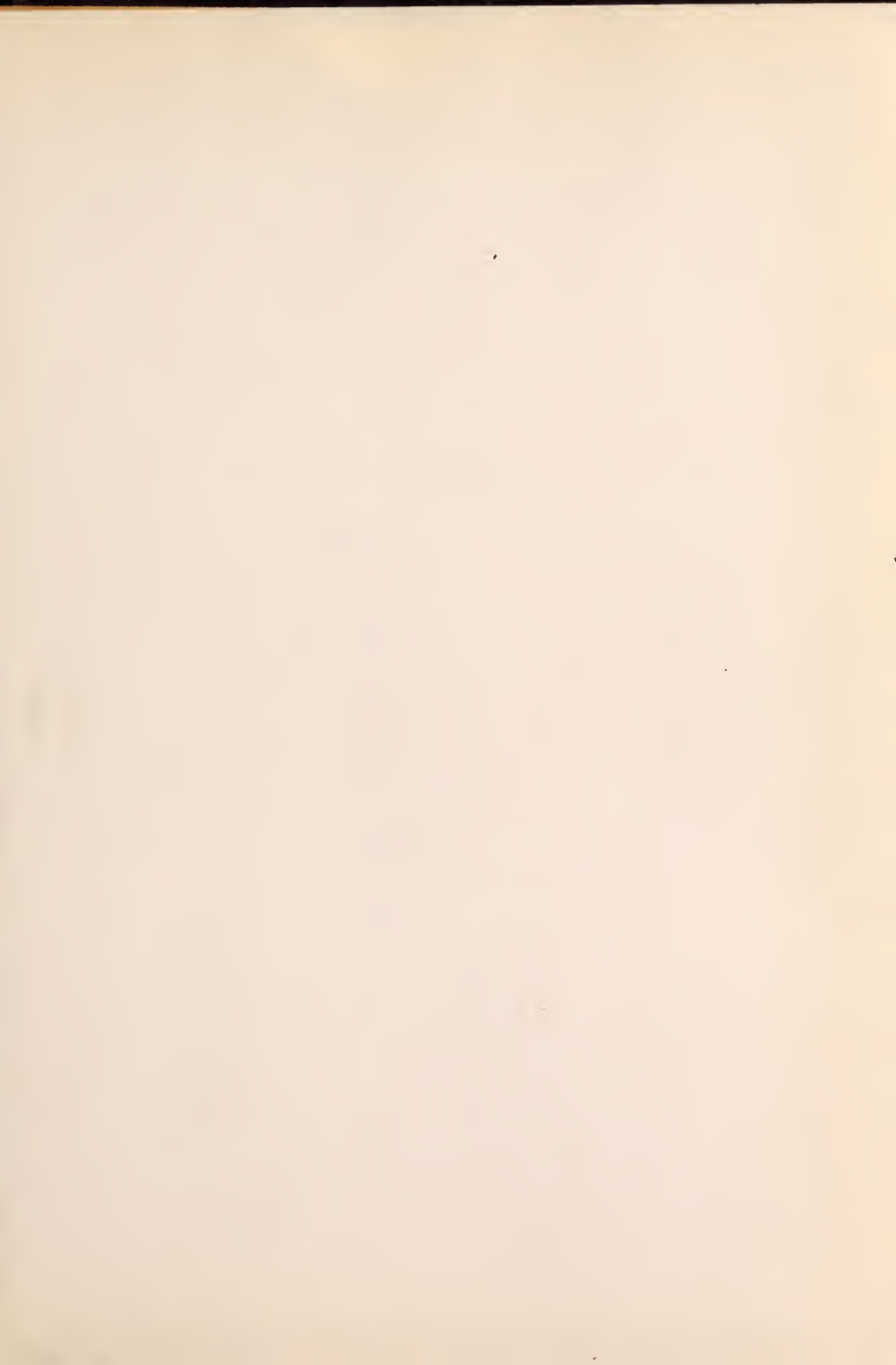
1946

CALENDAR YEAR

WATER YEAR

A-13-35		A-14-35		A-15-35		A-16-35		A-17-35		A-18-35		A-19-35		A-20-35		A-21-35		A-22-35		A-23-35		A-24-35		A-25-35		A-26-35		A-27-35		A-28-35		A-29-35		A-30-35		A-31-35		A-32-35		A-33-35		A-34-35		A-35-35		A-36-35		A-37-35		A-38-35		A-39-35		A-40-35		A-41-35		A-42-35		A-43-35		A-44-35		A-45-35		A-46-35		A-47-35		A-48-35		A-49-35		A-50-35		A-51-35		A-52-35		A-53-35		A-54-35		A-55-35		A-56-35		A-57-35		A-58-35		A-59-35		A-60-35		A-61-35		A-62-35		A-63-35		A-64-35		A-65-35		A-66-35		A-67-35		A-68-35		A-69-35		A-70-35		A-71-35		A-72-35		A-73-35		A-74-35		A-75-35		A-76-35		A-77-35		A-78-35		A-79-35		A-80-35		A-81-35		A-82-35		A-83-35		A-84-35		A-85-35		A-86-35		A-87-35		A-88-35		A-89-35		A-90-35		A-91-35		A-92-35		A-93-35		A-94-35		A-95-35		A-96-35		A-97-35		A-98-35		A-99-35		A-100-35		A-101-35		A-102-35		A-103-35		A-104-35		A-105-35		A-106-35		A-107-35		A-108-35		A-109-35		A-110-35		A-111-35		A-112-35		A-113-35		A-114-35		A-115-35		A-116-35		A-117-35		A-118-35		A-119-35		A-120-35		A-121-35		A-122-35		A-123-35		A-124-35		A-125-35		A-126-35		A-127-35		A-128-35		A-129-35		A-130-35		A-131-35		A-132-35		A-133-35		A-134-35		A-135-35		A-136-35		A-137-35		A-138-35		A-139-35		A-140-35		A-141-35		A-142-35		A-143-35		A-144-35		A-145-35		A-146-35		A-147-35		A-148-35		A-149-35		A-150-35		A-151-35		A-152-35		A-153-35		A-154-35		A-155-35		A-156-35		A-157-35		A-158-35		A-159-35		A-160-35		A-161-35		A-162-35		A-163-35		A-164-35		A-165-35		A-166-35		A-167-35		A-168-35		A-169-35		A-170-35		A-171-35		A-172-35		A-173-35		A-174-35		A-175-35		A-176-35		A-177-35		A-178-35		A-179-35		A-180-35		A-181-35		A-182-35		A-183-35		A-184-35		A-185-35		A-186-35		A-187-35		A-188-35		A-189-35		A-190-35		A-191-35		A-192-35		A-193-35		A-194-35		A-195-35		A-196-35		A-197-35		A-198-35		A-199-35		A-200-35		A-201-35		A-202-35		A-203-35		A-204-35		A-205-35		A-206-35		A-207-35		A-208-35		A-209-35		A-210-35		A-211-35		A-212-35		A-213-35		A-214-35		A-215-35		A-216-35		A-217-35		A-218-35		A-219-35		A-220-35		A-221-35		A-222-35		A-223-35		A-224-35		A-225-35		A-226-35		A-227-35		A-228-35		A-229-35		A-230-35		A-231-35		A-232-35		A-233-35		A-234-35		A-235-35		A-236-35		A-237-35		A-238-35		A-239-35		A-240-35		A-241-35		A-242-35		A-243-35		A-244-35		A-245-35		A-246-35		A-247-35		A-248-35		A-249-35		A-250-35		A-251-35		A-252-35		A-253-35		A-254-35		A-255-35		A-256-35		A-257-35		A-258-35		A-259-35		A-260-35		A-261-35		A-262-35		A-263-35		A-264-35		A-265-35		A-266-35		A-267-35		A-268-35		A-269-35		A-270-35		A-271-35		A-272-35		A-273-35		A-274-35		A-275-35		A-276-35		A-277-35		A-278-35		A-279-35		A-280-35		A-281-35		A-282-35		A-283-35		A-284-35		A-285-35		A-286-35		A-287-35		A-288-35		A-289-35		A-290-35		A-291-35		A-292-35		A-293-35		A-294-35		A-295-35		A-296-35		A-297-35		A-298-35		A-299-35		A-300-35		A-301-35		A-302-35		A-303-35		A-304-35		A-305-35		A-306-35		A-307-35		A-308-35		A-309-35		A-310-35		A-311-35		A-312-35		A-313-35		A-314-35		A-315-35		A-316-35		A-317-35		A-318-35		A-319-35		A-320-35		A-321-35		A-322-35		A-323-35		A-324-35		A-325-35		A-326-35		A-327-35		A-328-35		A-329-35		A-330-35		A-331-35		A-332-35		A-333-35		A-334-35		A-335-35		A-336-35		A-337-35		A-338-35		A-339-35		A-340-35		A-341-35		A-342-35		A-343-35		A-344-35		A-345-35		A-346-35		A-347-35		A-348-35		A-349-35		A-350-35		A-351-35		A-352-35		A-353-35		A-354-35		A-355-35		A-356-35		A-357-35		A-358-35		A-359-35		A-360-35		A-361-35		A-362-35		A-363-35		A-364-35		A-365-35		A-366-35		A-367-35		A-368-35		A-369-35		A-370-35		A-371-35		A-372-35		A-373-35		A-374-35		A-375-35		A-376-35		A-377-35		A-378-35		A-379-35		A-380-35		A-381-35		A-382-35		A-383-35		A-384-35		A-385-35		A-386-35		A-387-35		A-388-35		A-389-35		A-390-35		A-391-35		A-392-35		A-393-35		A-394-35		A-395-35		A-396-35		A-397-35		A-398-35		A-399-35		A-400-35		A-401-35		A-402-35		A-403-35		A-404-35		A-405-35		A-406-35		A-407-35		A-408-35		A-409-35		A-410-35		A-411-35		A-412-35		A-413-35		A-414-35		A-415-35		A-416-35		A-417-35		A-418-35		A-419-35		A-420-35		A-421-35		A-422-35		A-423-35		A-424-35		A-425-35		A-426-35		A-427-35		A-428-35		A-429-35		A-430-35		A-431-35		A-432-35		A-433-35		A-434-35		A-435-35		A-436-35		A-437-35		A-438-35		A-439-35		A-440-35		A-441-35		A-442-35		A-443-35		A-444-35		A-445-35		A-446-35		A-447-35		A-448-35		A-449-35		A-450-35		A-451-35		A-452-35		A-453-35		A-454-35		A-455-35		A-456-35		A-457-35		A-458-35		A-459-35		A-460-35		A-461-35		A-462-35		A-463-35		A-464-35		A-465-35		A-466-35		A-467-35		A-468-35		A-469-35		A-470-35		A-471-35		A-472-35		A-473-35		A-474-35		A-475-35		A-476-35		A-477-35		A-478-35		A-479-35		A-480-35		A-481-35		A-482-35		A-483-35		A-484-35		A-485-35		A-486-35		A-487-35		A-488-35		A-489-35		A-490-35		A-491-35		A-492-35		A-493-35		A-494-35		A-495-35		A-496-35		A-497-35		A-498-35		A-499-35		A-500-35		A-501-35		A-502-35		A-503-35		A-504-35		A-505-35		A-506-35		A-507-35		A-508-35		A-509-35		A-510-35		A-511-35		A-512-35		A-513-35		A-514-35		A-515-35		A-516-35		A-517-35		A-518-35		A-519-35		A-520-35		A-521-3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128 STATE OFFICE BUILDING
DENVER, COLORADO



KAROLTON KLASP-8 $\frac{1}{4}$ x 11 $\frac{1}{4}$
"MADE IN U. S. A."
THE AMERICAN ENVELOPE CO.
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